

FABRICATED METALS, LLC

P.O. BOX 9535
LOUISVILLE, KY 40209



www.fabricatedmetals.com
502/363-2625 Phone
502/363-2629 Fax



www.utilitymetals.com
502/363-6681 Phone
800/627-8276 Toll Free
502/368-2656 Fax



www.strong-hold.com
502/363-4175 Phone
800/880-2625 Toll Free
502/363-3827 Fax

2/27/12

United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

US EPA RECORDS CENTER REGION 5



436064

Attention: Joan Tanaka

SR-6J

RE: Chemetco Superfund Site General Notice Letter

On February 21, 2012 **Utility Metals**, a division of Fabricated Metals LLC, received a second notice general notice letter referring to the Chemetco Superfund Site. Utility Metals, a division of Fabricated Metals LLC, did not receive the original notice. The letter was addressed to a Utility Metals, Inc. As detailed in this document, Utility Metals, a division of Fabricated Metals LLC, does not believe itself to be the Utility Metals, Inc listed in the Chemetco Superfund documentation. Enclosed are the answers to Enclosure 7 as well as specific information detailing the nature of business operated by Utility Metals, a division of Fabricated Metals LLC.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kirk Chambers', with a long horizontal flourish extending to the right.

Kirk Chambers
Vice President
Fabricated Metals LLC
502-819-3998

Enclosure 7

1.
 - a. Utility Metals a Division of Fabricated Metals LLC
 - b. Thomas C. Diebold, Chairman and Manager, PO Box 9567 Louisville, KY 40209; Stephen E. Diebold, Manager, PO Box 9043 Louisville, KY 40209
 - c. Commonwealth of Kentucky
 - d. Fabricated Metals LLC, Strong Hold Products a division of Fabricated Metals LLC
 - e. Kentucky, Thomas C. Diebold
 - f. Operational
2. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any material to any entities going by the name of Chemetco.
3. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any it's employees performing duties at the site once operated by Chemetco in Hartford, Illinois.
4. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any activities associated with the site once operated by Chemetco in Hartford, Illinois. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any change in these activities.
5. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any material to any entities going by the name of Chemetco. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any documentation relating to any business transactions for disposal, treatment, trading, or recycling with any entities going by the name of Chemetco.
6. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any material to any entities going by the name of Chemetco. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any dates or circumstances where waste was taken to the site once operated by Chemetco in Hartford, Illinois.
7. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any transactions between itself and any entities going by the name of Chemetco. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any outright sales, written or verbal tolling agreements or banking of transacted material in a metal account.
8. Utility Metals, a division of Fabricated Metals LLC, has never knowingly had any influence over waste disposal or recycling activities at site once operated by Chemetco in Hartford, Illinois.
9. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any material to any entities going by the name of Chemetco. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any refusal or returning by any entities going by the name of Chemetco of any material sent by, Utility Metals, a division of Fabricated Metals LLC.
10. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any material to any entities going by the name of Chemetco.
 - a. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois.

- b. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any tests of its material, whether scrap, waste, nor finished product, which would have been delivered to the site once operated by Chemetco in Hartford, Illinois.
 - c. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any further processes which would have been done on any of its material, whether scrap, waste, nor finished product, which would have been delivered to the site once operated by Chemetco in Hartford, Illinois.
 - d. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any material to any entities going by the name of Chemetco. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any information or documentation relating any of its material, whether scrap, waste, nor finished product, which would have been delivered to the site once operated by Chemetco in Hartford, Illinois.
 - e. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any dates where any of its material, whether scrap, waste, nor finished product, which would have been delivered to the site once operated by Chemetco in Hartford, Illinois.
11. Since as stated in question No. 10 Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois, no answers for section (a) through (h) of question No. 11 will be provided.
12. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its scrap material being delivered to the site once operated by Chemetco in Hartford, Illinois. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any other materials adhering to the scrap which would have been delivered to the site once operated by Chemetco in Hartford, Illinois.
13. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any wiring leaving its facility and being delivered to the site once operated by Chemetco in Hartford, Illinois. Also, Utility Metals, a division of Fabricated Metals LLC, does not strip wire prior to disposing of it. Thus, if wire from Utility Metals, a division of Fabricated Metals LLC, arrived at the site once operated by Chemetco in Hartford, Illinois, it would have had arrived in as used state.
14. The only waste or scrap shipped by Utility Metals, a division of Fabricated Metals LLC, in a drum or shipping container is spent steel shot used in a shot blaster which is sent out in 55 gallon drums. The only possible liquid in these drums would be rain water. But since Utility Metals, a

division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any drums leaving its facility and being delivered to the site once operated by Chemetco in Hartford, Illinois.

15. Since as stated in question No. 10 Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois, no effort has been made to determine what would be done with any of its scrap metal if it is as the site once operated by Chemetco in Hartford, Illinois.
16. Utility Metals, a division of Fabricated Metals LLC, has never knowingly sent any electrical or electronic equipment to any entities going by the name of Chemetco.
 - a. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any shipments of electrical or electronic equipment leaving its facility and being delivered to the site once operated by Chemetco in Hartford, Illinois.
 - b. Since as stated in (a) Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any shipments of electrical or electronic equipment leaving its facility and being delivered to the site once operated by Chemetco in Hartford, Illinois, Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of the intended deposition of material if any of its electrical or electronic equipment did arrive at the site once operated by Chemetco in Hartford, Illinois.
17. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any shipments of electrical or electronic equipment leaving its facility and being delivered to the site once operated by Chemetco in Hartford, Illinois. Thus, Utility Metals, a division of Fabricated Metals LLC, has taken no measures to determine the actual means of treatment, disposal, recycling, or other uses of any of its material if any of its electrical or electronic equipment did arrive at the site once operated by Chemetco in Hartford, Illinois.
18. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any transaction between itself and any entities going by the name of Chemetco whether it be selling, transferring, delivering, disposing of, trading, or arranging for the treatment, recycling, or disposal of any of its material. Thus, Utility Metals, a division of Fabricated Metals LLC, did not make any effort to investigate the nature of the operations conducted at the site once operated by Chemetco in Hartford, Illinois.
19. Utility Metals, a division of Fabricated Metals LLC, does not have any knowledge of any of its material, whether scrap, waste, nor finished product, being delivered to the site once operated by Chemetco in Hartford, Illinois for recycling. Thus, Utility Metals, a division of Fabricated Metals LLC, does not have any information pertaining to compliance with applicable federal environmental regulations or standards with regard to any of its scrap, waste, or finished product which would have been delivered to the site once operated by Chemetco in Hartford, Illinois for recycling

20. See attachment "Utility Metals, a division of Fabricated Metals LLC, 1994 Kentucky Department for Environmental Protection documents" and "Utility Metals, a division of Fabricated Metals LLC, 2010 Kentucky Department for Environmental Protection documents".
21. EPA ID Number KY0-000-291-948
22. Title 401 of the Kentucky Administrative Regulations in respect to Hazardous Waste and Clean Water
23. See list
 - a. Kentucky Natural Resources and Environmental Protection Cabinet , Department of Environmental Protection, Division of Waste Management, 1994-present
 - b. Kentucky Energy and Environment Cabinet, Department for Environmental Protection, Division of Water,
24. The above answers are complete as they pertain to Utility Metals, a division of Fabricated Metals LLC.
25. All documents are present.
26. Kirk Chambers, Vice President, Fabricated Metals LLC, PO Box 9535 Louisville, KY 40209

Utility Metals, a division of Fabricated Metals LLC

Utility Metals was created as a separate division under Fabricated Metals Company in 1988 in order to expand its service in the outdoor lighting market. Since its inception, it has operated out of a facility located at 6210R Strawberry Lane, Louisville, KY 40214. Utility Metals', operating as a division of Fabricated Metals, main product offerings are steel and aluminum mast arms, brackets, and poles used in roadway and area lighting. A copy of our company brochure has been included. Our customers include OEM lighting manufacturers, distributors, utility service providers, and end users. The raw materials used in the manufacturing process are: steel tube and pipe, aluminum tube and pipe, steel sheet and plate, welding wire, aluminum sheet and plate, paint, steel structural shapes, and aluminum structural shapes. Four material certification sheets have been included. These certifications are for steel and aluminum pipe and sheet material, the raw material used in the highest volume, which is currently being used but they provide an accurate representation of what would have been used during the time frame of 2000 to 2001. Scrap collected for recycling efforts include steel and aluminum in tube, pipe, structural shapes, plate, or sheet form.

To better describe Utility Metals' operation as it pertains to The Environmental Protection Agency, we have included two reports from the Kentucky Department of Environmental Protection. The first report is from 1994 and resulted in a violation for disposal of the hazardous substance, xylene. This report actually includes five documents detailing the issue surrounding the inspection and the resulting violation. The second report is from an inspection in 2010 which resulted in no violations.

Utility Metals uses computer software to assist in shop order entry, purchasing, shipping, and keeping sales information. None of the software programs had any record of a company going by the Chemetco name. On the Chemetco Superfund site Potentially Responsible Parties Contacts List, Utility Metals, Inc is listed at an address of 425 Mountain Dr., Santa Barbara, CA, 93103. Utility Metals, a division of Fabricated Metals LLC, has never operated from this address nor does it have any knowledge of any of its employees or employees of Fabricated Metals LLC or one of its divisions operating from this address. On the Chemetco Superfund site Potentially Responsible Parties Contacts List, Utility Metals, Inc is listed with a registered agent by the name of Roy E. Ellis operating from the above mentioned address. Utility Metals, a division of Fabricated Metals LLC, has not contracted any Roy E. Ellis for any purpose including legal services, property management, waste disposal, recycling efforts, company management or company management. On the Chemetco Superfund Site Waste-In List, Utility Metals, Inc is documented as to have sent 1,236,427 pounds of a combination of low grade meters, mixed meters 60% Hi Clean, water meter exception 2", Misc. Irony Brass, and Hard Brass solids. Utility Metals, a division of Fabricated Metals LLC, nor any other division nor its parent has received in nor shipped out any material which would be classified as of low grade meters, mixed meters 60% Hi Clean, water meter exception 2" in any quantity other than what would be consider for general maintenance. Fabricated Metals LLC, including Utility Metals, currently has products that contain brass but the quantity received in would be a very small percentage of the 1,236,427 pounds listed under Utility Metals, Inc. Also, due to the limited onsite manufacturing of products containing brass, scrap from the manufacturing process does not exceed 1000 pounds per year and would more than likely be less than 100 pounds per year.

Utility Metals, a division of Fabricated Metals LLC

1994 Kentucky Department for Environmental Protection documents



KENTUCKY NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
CERTIFICATE OF REGISTRATION
FOR HAZARDOUS WASTE MANAGEMENT ACTIVITY

ISSUED TO:

UTILITY METALS
(DIV. FABRICATED METALS CORP.)
ATTN: SHIRLEY JAGGERS
P. O. BOX 9054
LOUISVILLE, KY 40209

LOCATED AT:

6210 STRAWBERRY LANE
LOUISVILLE, KY 40214

TYPE OF CERTIFICATE: NEW

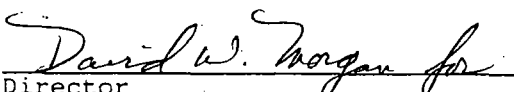
The Division of Waste Management hereby issues the above-named installation a Certificate of Registration for the hazardous waste activity specified below. This Certificate is issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Conformance with all applicable laws and regulations is the responsibility of the registrant. All rights of inspection by representatives of the Division of Waste Management are reserved. Receipt of the registration fee specified below is hereby acknowledged.

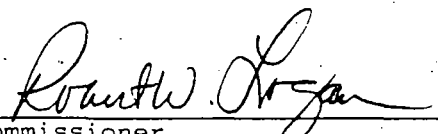
This Certificate supersedes all previous Certificates of Registration.

EPA ID NUMBER: KY0-000-291-948
COUNTY/STATE: JEFFERSON/KY
LEGAL STRUCTURE: P
FEE:\$ N/A PAID: N/A
ACTIVITY: LIMITED QUANTITY GENERATOR
ISSUED: 05/23/94
EFFECTIVE: 05/16/94
EXPIRATION: N/A

WASTESTREAMS:

D001 - XYLENE (IGNITABLE)


Director
Division of Waste Management


Commissioner
Department for Environmental Protection



KENTUCKY NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
CERTIFICATE OF REGISTRATION
FOR HAZARDOUS WASTE MANAGEMENT ACTIVITY

ISSUED TO:

FABRICATED METALS CORPORATION
ATTN: RAY WHEELER
P. O. BOX 9535
LOUISVILLE, KY 40209

LOCATED AT:

6300 KENJOY DRIVE
LOUISVILLE, KY 40214

TYPE OF CERTIFICATE: MODIFIED (STATUS CHANGE)

The Division of Waste Management hereby issues the above-named installation a Certificate of Registration for the hazardous waste activity specified below. This Certificate is issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Conformance with all applicable laws and regulations is the responsibility of the registrant. All rights of inspection by representatives of the Division of Waste Management are reserved. Receipt of the registration fee specified below is hereby acknowledged.

This Certificate supersedes all previous Certificates of Registration.

EPA ID NUMBER: KY0-000-327-205
COUNTY/STATE: JEFFERSON/KY
LEGAL STRUCTURE: P
FEE:\$ N/A PAID: N/A
ACTIVITY: LIMITED QUANTITY GENERATOR
ISSUED: 05/02/95
EFFECTIVE: 04/13/95
EXPIRATION: N/A

WASTESTREAMS:

D001 - XYLENE (IGNITABLE)

David W. Hogan for
Director
Division of Waste Management

Robert W. Logan
Commissioner
Department for Environmental Protection

UTILITY METALS
A DIVISION OF
FABRICATED METALS CORPORATION

P.O. BOX 9054
LOUISVILLE, KY 40209

FAX (502) 368-2656

PHONE (502) 363-6681
TOLL FREE (800) 627-8276

April 26, 1994

Ms. Marlyn Godby
Kentucky Natural Resources &
Environmental Protection Cabinet
Div. of Waste Management
14 Reilly Road
Frankfort, Ky 40601

Dear Ms. Godby:

We are applying for a permit for a limited quantity generator on the advice of Mary Martin in Louisville.

Please find enclosed necessary paperwork including a map locating our facility.
Please feel free to contact us if you have further questions.

Very truly yours,

UTILITY METALS DIVISION OF FABRICATED METALS CORPORATION

Thomas C. Diebold
President

TCD:rp

FABRICATION TO YOUR DRAWINGS AND SPECIFICATIONS

All contracts and agreements are contingent upon strikes, fires and conditions beyond our control

Kentucky Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection - Division of Waste Management
14 Reilly Road - Frankfort, Kentucky 40601

Notification of Hazardous Waste Activity

Refer to the INSTRUCTIONS. Important Note: This form will supercede all previous forms submitted by your company. Provide information on all current activities at your installation.

Installation's EPA ID Number:

FOR OFFICIAL USE ONLY:

FEE SUBMITTED: \$

Receipt No:

Date:

DO NOT WRITE IN THIS SPACE

☒ FIRST NOTIFICATION ☐ MODIFICATION

I. Name of Installation: UTILITY METALS (DIV FABRICATED METALS CORPORATION)

II. Location of Installation: 6210 STRAWBERRY LANE

City: LOUISVILLE

State: KENTUCKY

Zip Code: 40214

County: JEFFERSON

IMPORTANT See INSTRUCTIONS: Latitude: SEE MAP

Longitude:

III. Installation Mailing Address: P. O. BOX 9054

City: LOUISVILLE

State: KENTUCKY

Zip Code: 40209

IV. Installation Contact Person: SHIRLEY JAGGERS

Title: VICE-PRESIDENT

Phone Number: 502-363-6681

Contact Person can be reached at ☐ Mailing Address ☒ Location Address ☐ Other, specify:

Street Address:

City:

State:

Zip Code:

V. Name of Installation's Land Owner: STRAWBERRY LANE VENTURE

Mailing Address: P. O. BOX 9054

City: LOUISVILLE

State: KENTUCKY

Zip Code: 40209

VI. Legal Status of Land Owner: ☐ Federal ☐ State ☒ Private ☐ Municipal

VII. Name of Installation's Legal Owner: THOMAS C. DIEBOLD, PRESIDENT, FRANK J. DIEBOLD SEC.-TREAS.

Mailing Address: P. O. BOX 9054

City: LOUISVILLE

State: KENTUCKY

Zip Code: 40209

Type of Ownership Code: P (see INSTRUCTIONS for the correct codes)

VIII. SIC Codes: (1) 3499 (2)

IX. Type of Regulated Waste Activity (Enter "X" in every appropriate box. Refer to INSTRUCTIONS.)

A. HAZARDOUS WASTE ACTIVITY

☒ 1. Generator: ☐ Full Quantity (over 2200 lb/mo) ☐ Small Quantity (220 - 2200 lb/mo) ☒ Limited Quantity (under 220 lb/mo)

Accumulation occurs in: ☐ Tanks ☒ Containers ☐ Both Tanks and Containers

☐ 2. Transporter: ☐ Air ☐ Rail ☐ Highway ☐ Water ☐ Other (specify)

☐ 3. Treatment/ Storage / Disposal Facility

☐ 4. Underground Injection Well

☐ 5. Market or Burn Hazardous Waste Fuel: (Enter "X" in appropriate box(es) below.)

☐ Generator Marketing to Burner

☐ Other Marketer

☐ Burner: Indicate the combustion device used. ☐ Utility Boiler ☐ Industrial Boiler ☐ Industrial Furnace

B. USED OIL FUEL ACTIVITIES

☐ 6. Off-Specification Used Oil Fuel (Enter "X" in appropriate box(es) below.)

☐ Generator Marketing to Burner

☐ Other Marketer

☐ Burner: Indicate the combustion device used. ☐ Utility Boiler ☐ Industrial Boiler ☐ Industrial Furnace

☐ 7. Specification Used Oil Fuel Marketer (or On-Site Burner) Who First Claims the Oil Meets Specification

C. OTHER RECYCLING ACTIVITIES

☐ 8. Lead-Acid Battery Recycling (see 401 KAR 36:070)

☐ 9. Precious Metals Recycling (see 401 KAR 36:060)

☐ 10. Recycling, Other: (Specify, see 401 KAR 31:010, Section 6)

X. Source of Any Waste Being Managed at this Location: Mark only one box. Refer to INSTRUCTIONS.

☐ Generated On-Site Exclusively

☐ Received From Off-Site

XI. First Notification or Modification: Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a modification to your current registration.

Installation's EPA ID Number:

| | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

☒ **First Notification**

☐ Change of location, provide previous owner of the new site: _____

Will the current location close? ☐ No ☐ Yes, give EPA ID Number of closing site: _____

☐ Company ownership change from: _____

☐ **Modification - Specify Type of Modification:**

☐ Change in generator status (i.e., small quantity generator, limited quantity generator, full quantity generator)

Current status: _____ Change status to: _____

☐ Company name change from: _____

☐ Adding or deleting wastestreams / waste activity (Circle as appropriate.)

☐ Change contact person from: _____ to: _____

☐ Other change (Explain) _____

XII. Description of Hazardous Wastes

| Description of Waste <i>List all current wastes - enter an "X" only for new wastes which are being reported for the first time.</i> | EPA Waste Numbers | Physical State | Maximum Amount of Waste In Calendar Month | Estimated Annual Quantity of Waste | Unit |
|--|-------------------|----------------|---|------------------------------------|------|
| XYLENE | D001 | L | 5 | 60 | G |
| <input type="checkbox"/> (Check if adding this wastestream) | | | | | |
| <input type="checkbox"/> (Check if adding this wastestream) | | | | | |
| <input type="checkbox"/> (Check if adding this wastestream) | | | | | |
| <input type="checkbox"/> (Check if adding this wastestream) | | | | | |
| <input type="checkbox"/> (Check if adding this wastestream) | | | | | |
| TOTALS → | | | | | |

XIII. Description of Waste Being Deleted *This category is NOT APPLICABLE to first time notifiers.*

| Description of Waste | EPA Waste Numbers | Description of Waste | EPA Waste Numbers |
|----------------------|-------------------|----------------------|-------------------|
| | | | |
| | | | |

XIV. Certification - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Name and Official Title (Type or print)

Date Signed

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
LOUISVILLE, KENTUCKY 40207

NOTICE OF VIOLATION FOLLOW UP

To: Utility Metals Date of Follow Up 5/11/94
6210 Strawberry Lane County Jefferson
Louisville, Ky. 40214 ID# (if applicable) _____
Attn: Thos. Dickbold

This is to advise you of the status of the Notice of Violation issued to you on 3/31/94

☐ REMEDIAL MEASURES AS SPECIFIED ON THE NOTICE OF VIOLATION HAVE NOT BEEN COMPLETED.

☒ REMEDIAL MEASURES HAVE BEEN COMPLETED AS OF 5/11/94

☐ DEADLINE HAS BEEN EXTENDED FROM _____, TO _____
DUE TO _____

☐ NEW VIOLATIONS DISCOVERED: _____

☐ REMEDIAL MEASURES THAT NEED TO BE ADDRESSED: _____

BE ADVISED THAT COMPLETION OF THE REMEDIAL MEASURES DOES NOT RELIEVE YOU OF LIABILITY FOR CIVIL PENALTIES INCURRED FOR VIOLATIONS OF WASTE MANAGEMENT REQUIREMENTS

To respond to this Notice of Violation, write to:

Division of Waste Management
400 Sherburn Lane, Suite 222
Louisville, Kentucky 40207

INSPECTOR Mary Martin TITLE Exo. Insp. DATE 5/13/94
APPROVED BY Lesley Henn TITLE Env. Contr. Sup. DATE 5/13/94

HOW DELIVERED: ☒ REGULAR MAIL ☐ CERTIFIED MAIL ☐ PERSONAL SERVICE

SITE INVESTIGATION REPORT

24

| | | |
|---|---------------------|--------------------|
| SITE NAME <u>Utility Metals</u> | | ID NO. <u> </u> |
| COUNTY <u>Jefferson</u> | DATE <u>5/11/94</u> | TIME <u> </u> |
| PURPOSE OF INSPECTION | | |
| <input type="checkbox"/> COMPLAINT <input type="checkbox"/> TECHNICAL ASSISTANCE <input type="checkbox"/> SAMPLING <input type="checkbox"/> CLOSURE <input type="checkbox"/> CONSTRUCTION <input checked="" type="checkbox"/> FOLLOW-UP <input type="checkbox"/> OTHER <u> </u> | | |

PARTICIPANTS Mary Martin, Owm
Thos. Diebold, Pres.

FINDINGS Utility Metals has not disposed of hazardous waste at a non-permitted facility.
I advised them that they must analyze their paint filters prior to disposal.
I advised them that wastewater treatment sludge must be analyzed prior to disposal.
The company is now using waste solvent in their paint as a thinner and hazardous waste generated will be minimal. Their Hazardous Waste Activity Status as Limited Quantity Generator is correct.

PREPARED BY Mary Martin 5/11/94
Date

ATTACHMENTS

COPIES TO

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DIVISION OF WASTE MANAGEMENT - Hazardous Waste Branch
14 Reilly Road, Frankfort, Kentucky 40601
(502) 564-6716

HAZARDOUS WASTE ASSESSMENT RETURN FOR JULY - DECEMBER, 1994

Type or print clearly. See instructions. Make checks payable to the KENTUCKY STATE TREASURER.

| | | | |
|-------------------------|----------------------------------|-------------------|--------------|
| 1. EPA ID Number: | KYO-000-327-205 | County: | JEFFERSON/KY |
| 2. Contact Person: | RAYMOND B. WHEELER | Telephone Number: | 502-363-2625 |
| 3. Company Name: | FABRICATED METALS CORPORATION | | |
| 4. Mailing Address: | P.O. BOX 9535 | | |
| 5. City, State and Zip: | LOUISVILLE, KY 40209-0535 | | |
| 6. Compliance Deadline: | March 1, 1995 (See Instructions) | | |

| ASSESSMENT CATEGORIES (See Instructions) | (Column A) QUANTITY (in lbs.) | (Column B) RATE | (Column C) AMOUNT DUE (A) x (B) |
|---|-------------------------------------|--------------------|---------------------------------------|
| 7. Solid hazardous waste sent off-site | 1250 | \$0.002 | \$ 2.50 |
| 8. Solid hazardous waste kept on-site | 0 | \$0.001 | \$ 0 |
| 9. Liquid hazardous waste sent off-site | 2752 | \$0.012 | \$ 33.02 |
| 10. Liquid hazardous waste kept on-site | 0 | \$0.006 | \$ 0 |
| 11. Waste excluded | 0 | | |
| 12. SUBTOTAL AMOUNT DUE | | | \$ 35.52 |
| 13. Interest on late submittals (see instructions) | | | \$.0 |
| 14. Penalties on late submittals (see instructions) | | | \$ 0 |
| 15. Adjustments (see instructions) | | | \$ 0 |
| 16. TOTAL AMOUNT DUE | | | \$ 35.02 |

COMMENT:

CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

ORIGINAL SIGNATURE
(Copies are unacceptable)

THOMAS C. DIEBOLD, CHAIRMAN
NAME AND TITLE
(typed or printed)

2/23/95
DATE

Mail completed forms to:

Division of Waste Management
Hazardous Waste Branch
14 Reilly Road
Frankfort, Kentucky 40601*Instructions are in italics.**Answer all questions.*

An original signature is required on this form.

Do not write in this space.

IDENTIFICATION AND CERTIFICATION

There are three pages to this Form

All Small and Full Quantity
Generators must complete all
pages of Form 1. If hazardous
waste was not generated or shipped
in the report year, complete only
Form 1.**SECTION I - GENERAL INFORMATION**

A. EPA ID Number KYO-000-327-205 B. County JEFFERSON/KY
 C. Site/Company (as it appears on registration) FABRICATED METALS CORPORATION
 D. Has the site name associated with this EPA ID Number changed since the last report year? ☐ YES ☒ NO
 E. Physical location (not mailing address): 6300 KENJOY DRIVE
 F. City: LOUISVILLE G. KY H. Zip Code 40214

SECTION II - MAILING INFORMATION

A. Is the Mailing Address the same as the physical location address? ☐ YES Skip to section III ☒ NO Complete B-E
 B. Mailing Address: P.O. BOX 9535
 C. City: LOUISVILLE D. State KY E. Zip Code 40209-0535

SECTION III - GENERAL INFORMATION

A. Contact Person: Last, First, Middle Initial WHEELER, RAYMOND B.
 B. Title: PURCHASING AGENT C. Telephone Number: 502-363-2625

SECTION IV - STANDARD INDUSTRIAL CLASSIFICATION CODE A. 3499 B. C. D.

Enter up to four SIC Codes that describe the principal products produced or distributed, or services rendered at this location. Use only A if you have only one Code.

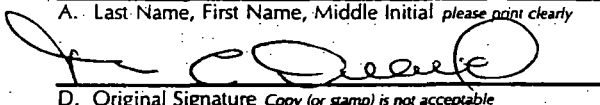
SECTION V - CERTIFICATION STATEMENT (See instructions below for who may sign the annual report)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DIEBOLD, THOMAS C.CHAIRMAN

A. Last Name, First Name, Middle Initial please print clearly

B. Title

2/23/95

D. Original Signature Copy (or stamp) is not acceptable

D. Date Month, Day, Year

Certification - Who may sign the Annual Report.

The certification must be originally signed and dated by an "authorized representative" of the company. "Authorized representative" is defined in 401 KRS 38:070, section 7, and includes:

- For corporations: 1) a responsible corporate officer such as a president, vice president, secretary or treasurer or individuals who perform a similar policy/decision making role for the corporation; or 2) the manager of a manufacturing, production or operating facility employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars) if authority to sign documents has been delegated to this manager in accordance with corporate procedures.
- For partnerships: a general partner.
- For sole proprietorship: the proprietor.
- For public agencies: a principal executive officer (i.e., the chief executive officer of the agency or a senior executive officer having responsibility for overall operations of a principal geographic unit of the agency) or a ranking elected official.
- For any company: a "duly authorized representative" of the individual(s) identified in items (a) through (d) above may sign the certification. To be a "duly authorized representative", the following requirements must be met: 1) the authorization must be made in writing by one of the persons described in items (a) through (d) above; 2) the authorization must specify either the individual or the position having responsibility for the overall operation of the regulated installation, such as the position of plant manager, superintendent, or position of equivalent responsibility; and 3) the written authorization must be submitted with Annual Report. Written authorization is NOT required if the certification is signed by an individual described in items (a) through (d) above.

Site/Company Name: FABRICATED METALS CORPORATION EPA ID Number KY0-000-327-205**SECTION VI - GENERATOR STATUS**

A. Mark only one category based on your company's latest registered status during the report year. If not currently registered, mark category based on waste generation during report year. If no waste generated in report year, check 4 and answer B regardless of registered status.

- ☒ 1. Full Quantity Generator Skip to Section VII ☐ 2. Small Quantity Generator Skip to Section VII
☐ 4. Non-generator Complete B (Note: 3 is intentionally blank because it does not pertain to Kentucky)

B. Mark one box to explain non-generator status

- ☐ 1. Have never produced hazardous waste at this location.
☐ 2. Out of business at this location.
☐ 3. Produced only delisted (401 KAR 31:070) or exempt (401 KAR 31:010) hazardous waste last year.
☐ 4. Only produced non-hazardous waste last year but produced hazardous waste in the past.
☐ 5. Occasional or periodic generator but did not generate hazardous waste last year.
☐ 6. Conducted waste minimization that eliminated hazardous waste generation at this location.
☐ 7. Other, explain: _____

SECTION VII - ON-SITE FACILITY:

A. On-Site Storage Facility: (mark only one box)

- ☒ 1. Only registered as a generator; no storage requiring a permit.

Categories 2, 3, 4, and 5 are applicable only to sites that have interim status or an issued Part B Permit for storage.

- ☐ 2. Permit or interim status for tank storage only.
☐ 3. Permit or interim status for container storage only.
☐ 4. Permit or interim status for storage in tanks and containers.
☐ 5. Permit or interim status for storage in a unit other than a tank or container.
Specify: _____

B. On-Site Treatment, Disposal and/or Recycling Facility: Mark only one box. Box 3 is only applicable to sites that have interim status or an issued Part B permit for on-site treatment or disposal.

- ☒ 1. No treatment or disposal was conducted on-site last year that would be subject to permitting requirements in 401 KAR Chapter 38, and there are no plans to build such a facility.

- ☐ 2. No treatment, disposal or recycling was conducted on-site last year that would be subject to permitting requirements in 401 KAR Chapter 38, but there are firm plans to build such a facility (complete Form 4).
☐ 3. Yes, hazardous waste was treated or disposed on-site at an interim status (401 KAR Chapter 35) or fully permitted (401 KAR Chapters 34 and 38) hazardous waste treatment, disposal or recycling facility (complete Form 4).

C. On-Site Exempt or Permit-by-Rule Treatment, Recycling and/or Disposal Facility and/or Registered Recycling Facilities: Permitted-by-rule facilities (401 KAR 38:060) include wastewater treatment units, elementary neutralization, etc. Exempt facilities (401 KAR 31:010, Sections 4 and 6 and Chapter 36 include scrap metal recycling facilities, waste oil recyclers that are exempt from registration, registered recyclers, solvent distillation, precious metal recyclers, lead acid battery recyclers, etc.

Mark only one box; if you mark Boxes 2 or 3, complete Form 4.

- ☒ 1. No exempt or permit-by-rule activities were conducted on-site last year; there are no plans to build such a facility.
☐ 2. No exempt or permit-by-rule activities were conducted on-site last year but there are firm plans to build such a facility.
☐ 3. Yes, hazardous waste was treated, recycled or disposed on-site in a unit that was exempt or permitted-by-rule.

COMMENTS

1994 HAZARDOUS WASTE ANNUAL REPORT

FORM #1 (cont'd)

Site/Company Name: FABRICATED METALS CORPORATIONEPA ID Number KY0-000-327-205**SECTION VIII - WASTE MINIMIZATION ACTIVITIES:****KRS Chapter 224 requires a plan to minimize the amount of hazardous waste generated each year. Waste minimization includes:**

Source Reduction is the reduction or elimination of a hazardous waste at the point of generation. Source reduction includes process modifications; feedstock substitutions; improvements in feedstock purity; housekeeping or management; increases in the efficiency of equipment; and recycling within a process. Source reduction includes actions that reduce toxicity or amount of waste being generated.

Recycling means the use or reuse of waste as a substitute for a commercial product, feedstock or ingredient in an industrial process. It includes reclamation activities (such as solvent distillation) which are conducted either on-site or off-site.

Mark one box for each question.

- ☒ Yes ☐ No A. Did this site begin or expand a source reduction activity last year?
☐ Yes ☒ No B. Did this site begin or expand a recycling activity last year?
☒ Yes ☐ No C. Did this site seek opportunities for source reduction or recycling last year?
☐ Other: Specify: _____

D. Was SOURCE REDUCTION limited or delayed by:Mark one box for every question

- ☐ Yes ☒ No a. Lack of money for new equipment
☐ Yes ☒ No b. Lack of technical information
☐ Yes ☒ No c. Costs too much; cannot recover capital investment
☐ Yes ☒ No d. Concern for product quality
☐ Yes ☒ No e. Technical limitations of process
☐ Yes ☒ No f. Permitting burdens
☐ Yes ☒ No g. Already reducing; further reduction not technically feasible
☐ Yes ☒ No h. Already reducing; further reduction not economically feasible
☐ Yes ☒ No i. Already reducing; further reduction limited by permit requirements
☐ Other: Specify: _____

E. Was RECYCLING limited by:Mark one box for every question

- ☐ Yes ☒ No a. Lack of money for new equipment
☐ Yes ☒ No b. Lack of technical information
☐ Yes ☒ No c. Costs too much; cannot recover capital investment
☐ Yes ☒ No d. Concern for product quality
☐ Yes ☒ No e. Manifesting limits ability to use off-site recycling
☐ Yes ☒ No f. Financial liability limits off-site recycling
☐ Yes ☒ No g. Production process limits off-site recycling
☐ Yes ☒ No h. Production process limits on-site recycling
☐ Yes ☒ No i. Permitting burdens
☐ Yes ☒ No j. Lack of available off-site recycling facilities
☐ Yes ☒ No k. Unable to identify a market for recyclable materials
☐ Yes ☒ No l. Already recycling; further recycling not technically feasible
☐ Yes ☒ No m. Already recycling; further recycling not cost effective
☐ Yes ☒ No n. Already recycling; further recycling limited by permit requirements
☐ Other: Specify: _____

COMMENTS

Please provide a brief description of your waste minimization program.

XYLENE IS USED IN OUR ACRYLIC ENAMEL PAINT. USED XYLENE IS RE-USED BY USING IT IN OUR RUST-INHIBITIVE PRIMER. WE RE-USE ALL XYLENE.

Site/Company Name: FABRICATED METALS CORPORATIONEPA ID Number: KYO-000-327-205**WASTE GENERATION AND MANAGEMENT**

There are two pages to this Form.

Complete this form if hazardous waste was generated or shipped off-site in the report year.

SECTION IA. **Waste description:** in (1), enter the characteristic or chemical name for each EPA Waste Number used in Box B (see 401 KAR 31:030 and 401 KAR 31:040); in (2) enter waste description as it appears in Item 11 on the manifest (enter N/A on line (2) if none shipped).(1) XYLENE-IGNITABLE(2) WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PGII
(PETROLEUM DISTILLATES/ALCOHOLS)(EPA-IGNITABILITY) ERG#27B. **EPA Waste Number:** Enter up to four waste numbers (i.e., D001, F002, etc.).D001D. **SIC Code:**
Enter the four-digit code for the process that generated this waste.3499E. **Origin of the waste:** Mark one box below.

- ☒ 1. Generated on-site from production process or service activity.
☐ 2. Generated as spill cleanup, equipment decommission, or other remedial cleanup.
☐ 3. Hazardous waste generated during management of non-hazardous waste.
☐ 4. Received from off-site and was NOT treated or recycled on site.
☐ 5. Generated as residual from on-site treatment, disposal or recycling.

Specify code from System Type Code list:

M _____ (Must match SEC 1 B on Form 4)

F. **Source Code:**

See Source Code list; enter only one code.

A 09G. **Point of Measurement:** Mark one box to identify the point at which the waste in Section 1-A was measured or estimated.

- ☐ 1. Before any mixing with other waste streams.
☐ 2. After mixing of HAZARDOUS waste streams.
☒ 3. After mixing with NON-HAZARDOUS waste streams.
☐ 4. After mixing both hazardous and non-hazardous waste streams.

H. **Form Code:**

See Form Code list; enter only one code.

B 211I. **Is this waste both hazardous and radioactive?**

1. ☐ Yes
 2. ☒ No

SECTION IIA. **Quantity generated in the year before report year:** Enter the total of this hazardous waste stream generated in the year before the report year. Must report in pounds. Enter 0 if none generated.3211 PoundsB. **Quantity generated in report year:** Enter the total quantity of this hazardous waste stream generated in the report year. Must report in pounds.1376 PoundsC. **Enter the value used to convert this waste to pounds:** Enter N/A if waste already in pounds.8.34D. **Did this site conduct ON-SITE treatment, recycling, disposal, discharge to sewer or POTW, for this waste stream?**

1. ☐ Yes Complete E and F
 2. ☒ No Skip to Section III

E. (1) **On-Site System:** Enter one System Type Code to describe on-site treatment, disposal or recycling activity (must match Form 4)

M _____

Quantity treated, disposed or recycled in report year: Must report in pounds. This amount must match the corresponding Form 4, Sec II-A.

_____ Pounds

F. **Handling Code(s):** See Handling Code list; enter up to three Handling Codes which describe the on-site management methods used by your company (i.e., T07, D85, S01, etc.)(2) **On-Site System:** Use this continuation block only if more than one system was used to process this waste.

M _____

Quantity treated, disposed or recycled in report year: Must report in pounds. This amount, plus any other other Form 2's reporting this process, must match the corresponding Form 4, Sec II-A.

_____ Pounds

COMMENTS

1994 HAZARDOUS WASTE ANNUAL REPORT

Site/Company Name: FABRICATED METALS CORPORATION EPA ID Number: KYO-000-327-205

SECTION III A. Was any of the waste described in SEC I-A shipped off-site in the report year?

Mark one box ☒ 1. YES Complete Section III ☐ 2. NO Skip to Section IV

Space is provided to report shipments of this waste to three different facilities. If the waste was shipped to more than three facilities, copy page 2 and complete as many pages as necessary; answer SEC IV only once (mark through SEC IV on continuation pages).

Site 1

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
IND093219012

E. Total Quantity Shipped in report year: Must report in pounds.
1376 Pounds

C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.
M 061

D. Off-Site Availability Code: Mark one box below:
☒ 1. Off-site facility is commercial facility.
☐ 2. Off-site facility is available only to firms owned by company.

Site 2

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.

E. Total Quantity Shipped in report year: Must report in pounds.
_____ Pounds

C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.
M _____

D. Off-Site Availability Code: Mark one box below:
☐ 1. Off-site facility is commercial facility.
☐ 2. Off-site facility is available only to firms owned by company.

Site 3

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.

E. Total Quantity Shipped in report year: Must report in pounds.
_____ Pounds

C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.
M _____

D. Off-Site Availability Code: Mark one box below:
☐ 1. Off-site facility is commercial facility.
☐ 2. Off-site facility is available only to firms owned by company.

SECTION IV A. During the report year, did new activities minimize this waste stream?

☒ YES Complete B, C, D, E, F ☐ NO Form #2 is complete.

Mark Yes if process changes resulted in less waste generated, reduced toxicity of waste generated, or if waste was sent off-site only for recycling.

Mark No if waste was sent off-site for incineration or other treatment or if waste was treated on-site after it was generated.

B. Waste Minimization Activity: See Waste Activity Code list; enter up to four codes. If W01 or W02 is entered, report the quantity recycled in Box D.

W 19 W _____
W _____ W _____

C. Other effects:

☐ Yes ☒ No

Mark Yes if waste minimization activities resulted in (1) increased toxicity of the waste or (2) increased the amount or toxicity of emissions into air, water or land.

D. Quantity recycled during report year due to new activities: See instructions on back of this page. Enter N/A if no waste stream was recycled. Must report in pounds.
-0- Pounds

E. Activity/Production Index:

See instructions on back of this page.

N/A

F. Source Reduction Quantity:

If you reported waste minimization codes W11 through W99 in Box B, see instructions on back of this page. Enter N/A if you reported codes W01-W02.

N/A

COMMENTS

WE NOW RE-USE ALL USED XYLENE IN OUR RED PRIMER

Site/Company Name: FABRICATED METALS CORPORATIONEPA ID Number: KYO-000-327-205**WASTE GENERATION AND MANAGEMENT**

There are two pages to this Form.

Complete this form if hazardous waste was generated or shipped off-site in the report year.

SECTION I:

A. Waste description: In (1), enter the characteristic or chemical name for each EPA Waste Number used in Box B (see 401 KAR 31:030 and 401 KAR 31:040); in (2) enter waste description as it appears in Item 11 on the manifest (enter N/A on line (2) if none shipped).

(1) XYLENE-IGNITABLE(2) WASTE FLAMMABLE LIQUIDS, NO.O.S., 3, UN1993, PGII
(PETROLEUM DISTILLATES/ALCOHOLS)(EPA-IGNITABILITY) ERG#27

B. EPA Waste Number: Enter up to four waste numbers (i.e., D001, F002, etc.).

D001

D. SIC Code:

Enter the four-digit code for the process that generated this waste.

3499

E. Origin of the waste: Mark one box below.

- ☐ 1. Generated on-site from production process or service activity.
- ☐ 2. Generated as spill cleanup, equipment decommission, or other remedial cleanup.
- ☐ 3. Hazardous waste generated during management of non-hazardous waste.
- ☒ 4. Received from off-site and was NOT treated or recycled on site.
- ☐ 5. Generated as residual from on-site treatment, disposal or recycling.

Specify code from System Type Code list:

M _____ (Must match SEC 1 B on Form 4)

F. Source Code:

See Source Code list; enter only one code.

A 09

G. Point of Measurement: Mark one box to identify the point at which the waste in Section 1-A was measured or estimated.

- ☐ 1. Before any mixing with other waste streams.
- ☐ 2. After mixing of HAZARDOUS waste streams.
- ☒ 3. After mixing with NON-HAZARDOUS waste streams.
- ☐ 4. After mixing both hazardous and non-hazardous waste streams.

H. Form Code:

See Form Code list; enter only one code.

B 211

I. Is this waste both hazardous and radioactive?

1. ☐ Yes
2. ☒ No

SECTION II

A. Quantity generated in the year before report year: Enter the total of this hazardous waste stream generated in the year before the report year. Must report in pounds. Enter 0 if none generated.

-0- Pounds

B. Quantity generated in report year: Enter the total quantity of this hazardous waste stream generated in the report year. Must report in pounds.

1148 Pounds

C. Enter the value used to convert this waste to pounds: Enter N/A if waste already in pounds.

8.34

D. Did this site conduct ON-SITE treatment, recycling, disposal, discharge to sewer or POTW, for this waste stream?

1. ☐ Yes Complete E and F
2. ☒ No Skip to Section III

E. (1) On-Site System: Enter one System Type Code to describe on-site treatment, disposal or recycling activity (must match Form 4)

M _____

Quantity treated, disposed or recycled in report year: Must report in pounds. This amount must match the corresponding Form 4, Sec II-A.

_____ Pounds

F. Handling Code(s): See Handling Code list; enter up to three Handling Codes which describe the on-site management methods used by your company (i.e., T07, D85, S01, etc.)

(2) On-Site System: Use this continuation block only if more than one system was used to process this waste.

M _____

Quantity treated, disposed or recycled in report year: Must report in pounds. This amount, plus any other other Form 2's reporting this process, must match the corresponding Form 4, Sec II-A.

_____ Pounds

COMMENTS

Site/Company Name: FABRICATED METALS CORPORATION EPA ID Number: KYO-000-327-205

SECTION III A. Was any of the waste described in SEC I-A shipped off-site in the report year?

Mark one box ☒ 1. YES Complete Section III ☐ 2. NO Skip to Section IV

Space is provided to report shipments of this waste to three different facilities. If the waste was shipped to more than three facilities, copy page 2 and complete as many pages as necessary; answer SEC IV only once (mark through SEC IV on continuation pages).

Site 1

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
IND093219012E. Total Quantity Shipped in report year: Must report in pounds.
1148 Pounds

C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.

M 061

D. Off-Site Availability Code: Mark one box below:

- ☒
1. Off-site facility is commercial facility.
-
- ☐
2. Off-site facility is available only to firms owned by company.

Site 2

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
E. Total Quantity Shipped in report year: Must report in pounds.
 Pounds

C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.

M

D. Off-Site Availability Code: Mark one box below:

- ☐
1. Off-site facility is commercial facility.
-
- ☐
2. Off-site facility is available only to firms owned by company.

Site 3

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
E. Total Quantity Shipped in report year: Must report in pounds.
 Pounds

C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.

M

D. Off-Site Availability Code: Mark one box below:

- ☐
1. Off-site facility is commercial facility.
-
- ☐
2. Off-site facility is available only to firms owned by company.

SECTION IV A. During the report year, did new activities minimize this waste stream?

☒ YES Complete B, C, D, E, F ☐ NO Form #2 is complete.

Mark Yes if process changes resulted in less waste generated, reduced toxicity of waste generated, or if waste was sent off-site only for recycling.

Mark No if waste was sent off-site for incineration or other treatment or if waste was treated on-site after it was generated.

B. Waste Minimization Activity: See Waste Activity Code list; enter up to four codes. If W01 or W02 is entered, report the quantity recycled in Box D.

W 19 W
W W

C. Other effects:

☐ Yes ☒ No

Mark Yes if waste minimization activities resulted in (1) increased toxicity of the waste or (2) increased the amount or toxicity of emissions into air, water or land.

D. Quantity recycled during report year due to new activities: See instructions on back of this page. Enter N/A if no waste stream was recycled. Must report in pounds.

-0- Pounds

E. Activity/Production Index:

See instructions on back of this page.

N/A

F. Source Reduction Quantity:

If you reported waste minimization codes W11 through W99 in Box B, see instructions on back of this page. Enter N/A if you reported codes W01-W02.

N/A

COMMENTS

FABRICATED METALS HAS NOT RECEIVED HAZARDOUS WASTES FROM OFF-SITE SINCE RECEIVING THE N.O.V. ISSUED ON 3/31/94.

| | |
|---|--|
| Site/Company Name: <u>FABRICATED METALS CORPORATION</u> EPA ID Number: <u>KYO-000-327-205</u> Complete both pages of Form 2 for: (1) each hazardous waste stream generated and/or shipped off-site during the report year; and (2) for each hazardous waste received from off-site and subsequently shipped off-site during the report year. <i>Instructions are in italics. Every question refers to the waste described in SEC 1-A.</i> | WASTE GENERATION AND MANAGEMENT There are two pages to this Form. Complete this form if hazardous waste was generated or shipped off-site in the report year. |
|---|--|

| | |
|---|---|
| SECTION I A. Waste description: <i>In (1), enter the characteristic or chemical name for each EPA Waste Number used in Box B (see 401 KAR 31:030 and 401 KAR 31:040); in (2) enter waste description as it appears in Item 11 on the manifest (enter N/A on line (2) if none shipped).</i> (1) <u>XYLENE-IGITABLE</u> (2) <u>WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PGII</u> <u>(PETROLEUM DISTILLATESALCOHOLS)(EPA-IGNITABILITY) ERG#2</u> | B. EPA Waste Number: <i>Enter up to four waste numbers (i.e., D001, F002, etc.).</i> <u>D001</u> |
|---|---|

| | | |
|---|--|---|
| D. SIC Code: <i>Enter the four-digit code for the process that generated this waste.</i> <u>3499</u> | E. Origin of the waste: <i>Mark one box below.</i> <input type="checkbox"/> 1. Generated on-site from production process or service activity. <input type="checkbox"/> 2. Generated as spill cleanup, equipment decommission, or other remedial cleanup. <input type="checkbox"/> 3. Hazardous waste generated during management of non-hazardous waste. <input checked="" type="checkbox"/> 4. Received from off-site and was NOT treated or recycled on site. <input type="checkbox"/> 5. Generated as residual from on-site treatment, disposal or recycling. Specify code from System Type Code list: <u>M</u> (Must match SEC 1 B on Form 4) | F. Source Code: <i>See Source Code list; enter only one code.</i> <u>09</u> A |
|---|--|---|

| | | |
|---|---|--|
| G. Point of Measurement: <i>Mark one box to identify the point at which the waste in Section 1-A was measured or estimated.</i> <input type="checkbox"/> 1. Before any mixing with other waste streams. <input type="checkbox"/> 2. After mixing of HAZARDOUS waste streams. <input checked="" type="checkbox"/> 3. After mixing with NON-HAZARDOUS waste streams. <input type="checkbox"/> 4. After mixing both hazardous and non-hazardous waste streams. | H. Form Code: <i>See Form Code list; enter only one code.</i> <u>B 211</u> | I. Is this waste both hazardous and radioactive? 1. <input type="checkbox"/> Yes 2. <input checked="" type="checkbox"/> No |
|---|---|--|

| | | |
|---|--|--|
| SECTION II A. Quantity generated in the year before report year: <i>Enter the total of this hazardous waste stream generated in the year before the report year. Must report in pounds. Enter 0 if none generated.</i> <u>-0-</u> Pounds | B. Quantity generated in report year: <i>Enter the total quantity of this hazardous waste stream generated in the report year. Must report in pounds.</i> <u>228</u> Pounds | C. Enter the value used to convert this waste to pounds: <i>Enter N/A if waste already in pounds.</i> <u>8.34</u> |
|---|--|--|

| | |
|--|--|
| D. Did this site conduct ON-SITE treatment, recycling, disposal, discharge to sewer or POTW, for this waste stream? 1. <input type="checkbox"/> Yes Complete E and F 2. <input checked="" type="checkbox"/> No Skip to Section III | E. (1) On-Site System: <i>Enter one System Type Code to describe on-site treatment, disposal or recycling activity (must match Form 4)</i> <u>M</u> _____ Pounds Quantity treated, disposed or recycled in report year: <i>Must report in pounds. This amount must match the corresponding Form 4, Sec II-A.</i> |
|--|--|

| | |
|--|--|
| F. Handling Code(s): <i>See Handling Code list; enter up to three Handling Codes which describe the on-site management methods used by your company (i.e., T07, D85, S01, etc.)</i> _____ | (2) On-Site System: <i>Use this continuation block only if more than one system was used to process this waste.</i> <u>M</u> _____ Pounds Quantity treated, disposed or recycled in report year: <i>Must report in pounds. This amount, plus any other other Form 2's reporting this process, must match the corresponding Form 4, Sec II-A.</i> |
|--|--|

| |
|----------|
| COMMENTS |
|----------|

Site/Company Name: FABRICATED METALS CORPORATION EPA ID Number: KYO-000-327-205

SECTION III A. Was any of the waste described in SEC I-A shipped off-site in the report year?

Mark one box ☒ 1. YES Complete Section III ☐ 2. NO Skip to Section IV

Space is provided to report shipments of this waste to three different facilities. If the waste was shipped to more than three facilities, copy page 2 and complete as many pages as necessary; answer SEC IV only once (mark through SEC IV on continuation pages).

| | | |
|--|--|--|
| Site 1 B. EPA ID Number of Receiving Facility: See Item 9 on manifest. <u>IND093219012</u> E. Total Quantity Shipped in report year: Must report in pounds. <u>228</u> Pounds | C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility. M <u>061</u> | D. Off-Site Availability Code: Mark one box below: <input checked="" type="checkbox"/> 1. Off-site facility is commercial facility. <input type="checkbox"/> 2. Off-site facility is available only to firms owned by company. |
| Site 2 B. EPA ID Number of Receiving Facility: See Item 9 on manifest. E. Total Quantity Shipped in report year: Must report in pounds. Pounds | C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility. M <u> </u> | D. Off-Site Availability Code: Mark one box below: <input type="checkbox"/> 1. Off-site facility is commercial facility. <input type="checkbox"/> 2. Off-site facility is available only to firms owned by company. |
| Site 3 B. EPA ID Number of Receiving Facility: See Item 9 on manifest. E. Total Quantity Shipped in report year: Must report in pounds. Pounds | C. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility. M <u> </u> | D. Off-Site Availability Code: Mark one box below: <input type="checkbox"/> 1. Off-site facility is commercial facility. <input type="checkbox"/> 2. Off-site facility is available only to firms owned by company. |

SECTION IV A. During the report year, did new activities minimize this waste stream?

☒ YES Complete B, C, D, E, F ☐ NO Form #2 is complete.

Mark Yes if process changes resulted in less waste generated, reduced toxicity of waste generated, or if waste was sent off-site only for recycling.

Mark No if waste was sent off-site for incineration or other treatment or if waste was treated on-site after it was generated.

B. Waste Minimization Activity:

See Waste Activity Code list; enter up to four codes. If W01 or W02 is entered, report the quantity recycled in Box D.

W 19 W
W W

C. Other effects:

☐ Yes ☒ No

Mark Yes if waste minimization activities resulted in (1) increased toxicity of the waste or (2) increased the amount or toxicity of emissions into air, water or land.

D. Quantity recycled during report year due to new activities: See instructions on back of this page. Enter N/A if no waste stream was recycled. Must report in pounds.

-0- Pounds

E. Activity/Production Index:

See instructions on back of this page.

N/A

F. Source Reduction Quantity:

If you reported waste minimization codes W11 through W99 in Box B, see instructions on back of this page. Enter N/A if you reported codes W01-W02.

N/A

COMMENTS FABRICATED METALS HAS NOT RECEIVED HAZARDOUS WASTES FROM OFF-SITE SINCE RECEIVING THE N.O.V. ISSUED ON 3/31/94.

Site/Company Name: FABRICATED METALS CORPORATIONEPA ID Number: KYO-000-327-205

Complete both pages of Form 2 for: (1) each hazardous waste stream generated and/or shipped off-site during the report year; and (2) for each hazardous waste received from off-site and subsequently shipped off-site during the report year. *Instructions are in italics. Every question refers to the waste described in SEC 1-A.*

WASTE GENERATION AND MANAGEMENT

There are two pages to this Form.

Complete this form if hazardous waste was generated or shipped off-site in the report year.

SECTION I

A. Waste description: In (1), enter the characteristic or chemical name for each EPA Waste Number used in Box B (see 401 KAR 31:030 and 401 KAR 31:040); in (2) enter waste description as it appears in Item 11 on the manifest (enter N/A on line (2) if none shipped).

(1) SAND-FLAMMABLE SOLID(2) WASTE FLAMMABLE SOLIDS, N.O.S., 4.1, UN1325, PGII
(XYLENE, PAINT) ERG #21

B. EPA Waste Number: Enter up to four waste numbers (i.e., D001, F002, etc.).

D001D018

D. SIC Code:

Enter the four-digit code for the process that generated this waste.

3499

E. Origin of the waste: Mark one box below.

- ☒ 1. Generated on-site from production process or service activity.
☐ 2. Generated as spill cleanup, equipment decommission, or other remedial cleanup.
☐ 3. Hazardous waste generated during management of non-hazardous waste.
☐ 4. Received from off-site and was NOT treated or recycled on site.
☐ 5. Generated as residual from on-site treatment, disposal or recycling.

Specify code from System Type Code list:

M _____ (Must match SEC 1 B on Form 4)

F. Source Code:

See Source Code list; enter only one code.

A 19

G. Point of Measurement: Mark one box to identify the point at which the waste in Section 1-A was measured or estimated.

- ☐ 1. Before any mixing with other waste streams.
☐ 2. After mixing of HAZARDOUS waste streams.
☒ 3. After mixing with NON-HAZARDOUS waste streams.
☐ 4. After mixing both hazardous and non-hazardous waste streams.

H. Form Code:

See Form Code list; enter only one code.

B 301

I. Is this waste both hazardous and radioactive?

1. ☐ Yes
 2. ☒ No

SECTION II

A. Quantity generated in the year before report year: Enter the total of this hazardous waste stream generated in the year before the report year. Must report in pounds. Enter 0 if none generated.

-0- Pounds

B. Quantity generated in report year: Enter the total quantity of this hazardous waste stream generated in the report year. Must report in pounds.

1250 Pounds

C. Enter the value used to convert this waste to pounds: Enter N/A if waste already in pounds.

N/A

D. Did this site conduct ON-SITE treatment, recycling, disposal, discharge to sewer or POTW, for this waste stream?

1. ☐ Yes Complete E and F
 2. ☒ No Skip to Section III

E. (1) On-Site System: Enter one System Type Code to describe on-site treatment, disposal or recycling activity (must match Form 4)

M _____

Quantity treated, disposed or recycled in report year: Must report in pounds. This amount must match the corresponding Form 4, Sec II-A.

_____ Pounds

F. Handling Code(s): See Handling Code list; enter up to three Handling Codes which describe the on-site management methods used by your company (i.e., T07, D85, S01, etc.)

(2) On-Site System: Use this continuation block only if more than one system was used to process this waste.

M _____

Quantity treated, disposed or recycled in report year: Must report in pounds. This amount, plus any other other Form 2's reporting this process, must match the corresponding Form 4, Sec II-A.

_____ Pounds

COMMENTS

Site/Company Name: FABRICATED METALS CORPORATION EPA ID Number: KYO-000-327-205

SECTION III A. Was any of the waste described in SEC I-A shipped off-site in the report year?

Mark one box ☒ 1. YES Complete Section III ☐ 2. NO Skip to Section IV

Space is provided to report shipments of this waste to three different facilities. If the waste was shipped to more than three facilities, copy page 2 and complete as many pages as necessary; answer SEC IV only once (mark through SEC IV on continuation pages).

Site 1

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
IND093219012E. Total Quantity Shipped in report year: Must report in pounds.
1250 PoundsC. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.
M 032

D. Off-Site Availability Code: Mark one box below:

- ☒
1. Off-site facility is commercial facility.
-
- ☐
2. Off-site facility is available only to firms owned by company.

Site 2

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
_____E. Total Quantity Shipped in report year: Must report in pounds.
_____ PoundsC. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.
M _____

D. Off-Site Availability Code: Mark one box below:

- ☐
1. Off-site facility is commercial facility.
-
- ☐
2. Off-site facility is available only to firms owned by company.

Site 3

B. EPA ID Number of Receiving Facility: See Item 9 on manifest.
_____E. Total Quantity Shipped in report year: Must report in pounds.
_____ PoundsC. System Type Shipped To: (Item K on manifest). See System Type Code list; enter one code to describe how the waste was managed at the first receiving facility.
M _____

D. Off-Site Availability Code: Mark one box below:

- ☐
1. Off-site facility is commercial facility.
-
- ☐
2. Off-site facility is available only to firms owned by company.

SECTION IV A. During the report year, did new activities minimize this waste stream?

☒ YES Complete B, C, D, E, F ☐ NO Form #2 is complete.

Mark Yes if process changes resulted in less waste generated, reduced toxicity of waste generated, or if waste was sent off-site only for recycling.

Mark No if waste was sent off-site for incineration or other treatment or if waste was treated on-site after it was generated.

B. Waste Minimization Activity: See Waste Activity Code list; enter up to four codes. If W01 or W02 is entered, report the quantity recycled in Box D.

W 19 W _____
W _____ W _____

C. Other effects:

☐ Yes ☒ No

Mark Yes if waste minimization activities resulted in (1) increased toxicity of the waste or (2) increased the amount or toxicity of emissions into air, water or land.

D. Quantity recycled during report year due to new activities: See instructions on back of this page. Enter N/A if no waste stream was recycled. Must report in pounds.
-0- Pounds

E. Activity/Production Index:

See instructions on back of this page.

N/A

F. Source Reduction Quantity:

If you reported waste minimization codes W11 through W99 in Box B, see instructions on back of this page. Enter N/A if you reported codes W01-W02.

N/A

COMMENTS

NO LONGER GENERATING SAND AS WASTE.

| | | | |
|---|--|--|--|
| Site/Company Name: <u>FABRICATED METALS CORPORATION</u> EPA ID Number: <u>KYO-000-327-205</u> <small>Report each waste received from each source in a separate waste section. Combine all of the same waste received from the same source in a single entry. The EPA ID Number and total quantity for each generator must match Form 6. If mass producing this form, only three waste sections per page. If using continuation pages, number sections sequentially, beginning with 4. Attach additional pages for comments.</small> | | WASTE RECEIVED FROM OFF-SITE There is one page to this Form: a continuation page is provided. Complete this form only if your company received hazardous waste from off-site for storage, treatment, disposal, or recycling during the report year. | |
| WASTE SECTION 1 A. Waste description: Enter waste description from Section 11 of the Manifest. <u>RQ, WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PGII,</u> <u>(D001) (PETROLEUM DISTILLATESALCOHOLS) (EPA-IGNITABILITY)</u> <u>ERG#27</u> | | B. EPA Waste Number: Enter up to four codes from Item 1 on the manifest (i.e., D001, U023, etc.). <u>D001</u> | |
| C. Handling Codes: Enter handling code(s) from Item K on the manifest <u>M061</u> | D. Source of Waste: Enter the EPA ID Number in (1) and the company name from which this waste was received in (2). (Items 1 and 3 on manifest). (1) <u>KYO-000-291-948</u> (2) <u>UTILITY METALS DIV OF FABRICATED METALS CORPORATION</u> | E. Quantity received during report year: Enter the total quantity of waste received. Must report in pounds. <u>1148</u> Pounds | |
| G. Waste Form Code: See Form Code List; enter only one code. <u>B 211</u> | H. Is this waste both hazardous and radioactive? <input type="checkbox"/> 1. Yes <input checked="" type="checkbox"/> 2. No | I. On-Site System Type Code: See System Type Code list; enter only one code. <u>M 141</u> | J. Enter the value used to convert this waste to pounds. Enter N/A if already in pounds. <u>8.34</u> |
| WASTE SECTION 2 A. Waste description: Enter waste description from Section 11 of the Manifest. <u>RQ, WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PGII,</u> <u>(D001) (PETROLEUM DISTILLATESALCOHOLS) (EPA-IGNITABILITY)</u> <u>ERG#27</u> | | B. EPA Waste Number: Enter up to four codes from Item 1 on the manifest (i.e., D001, U023, etc.). <u>D001</u> | |
| C. Handling Codes: Enter handling code(s) from Item K on the manifest <u>M061</u> | D. Source of Waste: Enter the EPA ID Number in (1) and the company name from which this waste was received in (2). (Items 1 and 3 on manifest). (1) <u>KYO-000-291-922</u> (2) <u>STRONG HOLD PRODUCTS DIV OF FABRICATED METALS CORPORATION</u> | E. Quantity received during report year: Enter the total quantity of waste received. Must report in pounds. <u>228</u> Pounds | |
| G. Waste Form Code: See Form Code List; enter only one code. <u>B 211</u> | H. Is this waste both hazardous and radioactive? <input type="checkbox"/> 1. Yes <input checked="" type="checkbox"/> 2. No | I. On-Site System Type Code: See System Type Code list; enter only one code. <u>M 141</u> | J. Enter the value used to convert this waste to pounds. Enter N/A if already in pounds. <u>8.34</u> |
| WASTE SECTION 3 A. Waste description: Enter waste description from Section 11 of the Manifest. | | B. EPA Waste Number: Enter up to four codes from Item 1 on the manifest (i.e., D001, U023, etc.). | |
| C. Handling Codes: Enter handling code(s) from Item K on the manifest | D. Source of Waste: Enter the EPA ID Number in (1) and the company name from which this waste was received in (2). (Items 1 and 3 on manifest). (1) _____ (2) _____ | E. Quantity received during report year: Enter the total quantity of waste received. Must report in pounds. _____ Pounds | |
| G. Waste Form Code: See Form Code List; enter only one code. <u>B</u> | H. Is this waste both hazardous and radioactive? <input type="checkbox"/> 1. Yes <input type="checkbox"/> 2. No | I. On-Site System Type Code: See System Type Code list; enter only one code. <u>M</u> | J. Enter the value used to convert this waste to pounds. Enter N/A if already in pounds. |

1994 HAZARDOUS WASTE ANNUAL REPORT

| | | | |
|--|---|---|---|
| Site/Company Name <u>FABRICATED METALS CORPORATION</u> | | EPA ID Number: <u>KYO-000-327-205</u> | |
| WASTE SECTION A. Waste description: Enter waste description from Section 11 of the Manifest. | | B. EPA Waste Number: Enter up to four codes from Item 1 on the manifest (i.e., D001, U023, etc.). | |
| C. Handling Codes: Enter handling code(s) from Item K on the manifest | D. Source of Waste: Enter the EPA ID Number in (1) and the company name from which this waste was received in (2). (Items 1 and 3 on manifest). (1) _____ (2) _____ | E. Quantity received during report year: Enter the total quantity of waste received. Must report in pounds. <div style="text-align: right;">_____ Pounds</div> | |
| G. Waste Form Code: See Form Code List; enter only one code. B _____ | H. Is this waste both hazardous and radioactive? <input type="checkbox"/> 1. Yes <input type="checkbox"/> 2. No | I. On-Site System Type Code: See System Type Code list; enter only one code. M _____ | J. Enter the value used to convert this waste to pounds. Enter N/A if already in pounds. _____ |
| WASTE SECTION A. Waste description: Enter waste description from Section 11 of the Manifest. | | B. EPA Waste Number: Enter up to four codes from Item 1 on the manifest (i.e., D001, U023, etc.). | |
| C. Handling Codes: Enter handling code(s) from Item K on the manifest | D. Source of Waste: Enter the EPA ID Number in (1) and the company name from which this waste was received in (2). (Items 1 and 3 on manifest). (1) _____ (2) _____ | E. Quantity received during report year: Enter the total quantity of waste received. Must report in pounds. <div style="text-align: right;">_____ Pounds</div> | |
| G. Waste Form Code: See Form Code List; enter only one code. B _____ | H. Is this waste both hazardous and radioactive? <input type="checkbox"/> 1. Yes <input type="checkbox"/> 2. No | I. On-Site System Type Code: See System Type Code list; enter only one code. M _____ | J. Enter the value used to convert this waste to pounds. Enter N/A if already in pounds. _____ |
| WASTE SECTION A. Waste description: Enter waste description from Section 11 of the Manifest. | | B. EPA Waste Number: Enter up to four codes from Item 1 on the manifest (i.e., D001, U023, etc.). | |
| C. Handling Codes: Enter handling code(s) from Item K on the manifest | D. Source of Waste: Enter the EPA ID Number in (1) and the company name from which this waste was received in (2). (Items 1 and 3 on manifest). (1) _____ (2) _____ | E. Quantity received during report year: Enter the total quantity of waste received. Must report in pounds. <div style="text-align: right;">_____ Pounds</div> | |
| G. Waste Form Code: See Form Code List; enter only one code. B _____ | H. Is this waste both hazardous and radioactive? <input type="checkbox"/> 1. Yes <input type="checkbox"/> 2. No | I. On-Site System Type Code: See System Type Code list; enter only one code. M _____ | J. Enter the value used to convert this waste to pounds. Enter N/A if already in pounds. _____ |
| COMMENTS FABRICATED METALS HAS NOT RECEIVED HAZARDOUS WASTES FROM OFF-SITE SINCE RECEIVING THE N.O.V. ISSUED ON 3/31/94. | | | |

Page 1 of 2

1994 HAZARDOUS WASTE ANNUAL REPORT

Site/Company Name: FABRICATED METALS CORPORATION EPA ID Number: KYO-000-327-205

SECTION II

B. Operational Capacity: Must report in pounds. Amounts may be estimated. For landfill systems, estimate the remaining operational capacity. For flow-through systems, estimate amount of waste that could be processed through the system during a single calendar year (i.e., a 10 pound per day treatment system which is operated 365 days per year would be reported as 3650 pounds). Do not double count the capacity of this system if it serves more than one process.

Grand Total: _____ Pounds

Hazardous: _____ Pounds

"Hazardous" amount should be equal to or less than the grand total

Note: Both lines must be at least equal to or greater than corresponding lines in SEC II A.

C. Liquid Effluent Quantity: Enter the total quantity of liquid waste exiting the system during the report year (i.e., KPDES discharges, scrubber water, etc.) Do not include quantities recovered for reuse. Must report in pounds. Amounts may be estimated; do not double count the amount of waste exiting the system if it serves more than one process. Enter 0 for none.

Grand Total: _____ Pounds

Hazardous: _____ Pounds

"Hazardous" amount should be equal to or less than the grand total

D. Solid/sludge residual quantity for report year: Enter total non-liquid residuals generated from management of hazardous waste stream during the report year. Do not include quantities recovered for reuse. Must report in pounds. Amounts may be estimated; do not double count the amount of waste exiting the system if it serves more than one process. Enter 0 for none.

Grand Total: _____ Pounds

Hazardous: _____ Pounds

"Hazardous" amount should be equal to or less than the grand total

Note: Amounts reported in SEC II-C or D as hazardous liquid effluent or solids/sludge must be reported on a Form 2 as a separate waste stream, and must be identified on the Form 2, Section I-E, Box 5, "Generated as residual..."

E. Limitations on maximum operational capacity: Identify up to three limitations from the list below; use numbers 1, 2, or 3 to indicate descending order of importance; 1=most important, 3=least important

- ____ 1. Operating permit
- ____ 2. Compliance with permit standards
- ____ 3. Other state or local regulatory limitations
- ____ 4. Planned maintenance downtime
- ____ 5. Number of shifts operated per year
- ____ 6. Share use of units/processes with other systems
- ____ 7. Other physical factors
- ____ 8. Other limitations on capacity
Specify: _____
- ____ 9. No limitation beyond engineering design

F. Commercial capacity availability code: Mark one box below

- ☐ 1. System is available only for management of hazardous waste generated on site.
- ☐ 2. System is available only to generators or facilities owned by same company.
- ☐ 3. System is available to limited group of generators or facilities for commercial, hazardous waste management.
- ☐ 4. System is available to any generator or facility for commercial waste management.

G. Estimated percent commercially available:

_____ %

If you check box 1 or 2 in Box F, enter N/A. If you checked 3 or 4 in Box F, enter the estimated percentage of the maximum operational capacity that is commercially available for hazardous waste management.

COMMENTS

1994 HAZARDOUS WASTE ANNUAL REPORT DEP 7072-91, Revised 1993. Equivalent to EPA Form 01

| | | | |
|---|--|--|-----------------------------|
| Site/Company Name: <u>FABRICATED METALS CORPORATION</u> EPA ID Number: <u>KY0-000-327-205</u> Use this form to report every facility that received waste from your company and every transporter that hauled hazardous waste off-site during the report year. This page can be copied if additional space is needed. <i>Instructions are in italics. EPA ID Numbers and total amounts must correspond with EPA ID Numbers and total amounts from Form 2 for waste shipped to a particular facility.</i> | | SUMMARY OF WASTE SHIPPED OFF-SITE There is one page to this Form. Complete this form if your company shipped hazardous waste off-site during the report year. | |
| SECTION I List all Receiving Facilities: <i>From Items 9 and 10 on the manifest; list each facility only once.</i> | | Total Number Manifested Shipments: <i>Count each manifest only once</i> | Total Pounds Shipped |
| EPA ID Number: <u>IND093219012</u> Facility Name: <u>HERITAGE ENVIRONMENTAL SERVICES INC.</u> | | 1 | 4002 |
| EPA ID Number: _____ Facility Name: _____ | | | |
| EPA ID Number: _____ Facility Name: _____ | | | |
| EPA ID Number: _____ Facility Name: _____ | | | |
| EPA ID Number: _____ Facility Name: _____ | | | |
| EPA ID Number: _____ Facility Name: _____ | | | |
| GRAND TOTAL: <i>Total number of manifested shipments and total pounds must match Section II. If using more than one page, total only last page.</i> | | 1 | 4002 |
| SECTION II List all Primary Transporters: <i>From Item 5 on the manifest; list each transporter only once.</i> | | Total Number Manifested Shipments: <i>Count each manifest only once</i> | Total Pounds Shipped |
| EPA ID Number: <u>IND058484114</u> Transporter Name: <u>HERITAGE TRANSPORT, INC.</u> | | 1 | 4002 |
| EPA ID Number: _____ Transporter Name: _____ | | | |
| EPA ID Number: _____ Transporter Name: _____ | | | |
| EPA ID Number: _____ Transporter Name: _____ | | | |
| GRAND TOTAL: <i>Total number of manifested shipments and total pounds must match Section I. If using more than one page, total only last page.</i> | | 1 | 4002 |
| COMMENTS | | | |

1994 HAZARDOUS WASTE ANNUAL REPORT DEP 7072-91, Revised 1993. Equivalent to EPA Form 01

| | | | |
|--|--|--|--|
| Site/Company Name: <u>FABRICATED METALS CORPORATION</u> EPA ID Number: <u>KYO-000-327-205</u> Use this form to report all generators and transporters that shipped hazardous waste to your company during the report year. This page can be copied if additional space is needed. <i>Instructions are in italics. EPA ID Numbers and total amounts must correspond with EPA ID Numbers and total amounts on Form 3.</i> | | SUMMARY OF WASTE SHIPPED TO YOUR SITE There is one page to this Form. Complete this form if your company received hazardous waste from off-site during the report year. | |
| SECTION I List all Generators that sent waste to your facility: <i>From Items 1 and 3 on the manifest; list each generator only once.</i> | | Total Number Manifested Shipments: Count each manifest only once | Total Pounds Shipped |
| EPA ID Number: <u>KYO-000-291-948</u> Generator Name: <u>UTILITY METALS DIV OF FABRICATED METALS</u> | | 0 | 1148 |
| EPA ID Number: <u>KYO-000-291-922</u> Generator Name: <u>STRONG HOLD PRODUCTS DIV OF FABRICATED METALS</u> | | 0 | 228 |
| EPA ID Number: _____ Generator Name: _____ | | | |
| EPA ID Number: _____ Generator Name: _____ | | | |
| EPA ID Number: _____ Generator Name: _____ | | | |
| GRAND TOTAL: <i>Total number of manifested shipments and total pounds must match Section II. If using more than one page, total only last page.</i> | | 0 | 1376 |
| SECTION II List all Primary Transporters: <i>From Item 5 on the manifest; list each transporter only once.</i> | Total Number Manifested Shipments: Count each manifest only once | Total Pounds Shipped | Container Types: <i>From Item 12 on the manifest</i> |
| EPA ID Number: <u>KYO-000-291-948</u> Transporter Name: <u>UTILITY METALS DIV OF FABRICATED METALS</u> | 0 | 1148 | DF |
| EPA ID Number: <u>KYO-000-292-922</u> Transporter Name: <u>STRONG HOLD PRODUCTS DIV OF FABRICATED METALS</u> | 0 | 228 | DF |
| EPA ID Number: _____ Transporter Name: _____ | | | |
| EPA ID Number: _____ Transporter Name: _____ | | | |
| GRAND TOTAL: <i>Total number of manifested shipments and total pounds must match Section I. If using more than one page, total only last page.</i> | 0 | 1376 | |
| COMMENTS <u>GIVEN NOTICE OF VIOLATION 3/31/94 FOR TRANSPORTING WITHOUT PROPER PERMITS.</u> | | | |

Utility Metals, a division of Fabricated Metals LLC

2010 Kentucky Department for Environmental Protection documents

STEVEN L. BESHEAR
GOVERNOR



LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5004
www.kentucky.gov

May 12, 2010

Kirk Chambers
Utility Metals
6210 Strawberry Ln
Louisville, Kentucky 40214

RE: **Inspection Results**
Utility Metals Division Fabricated Metals
County: Jefferson
AI#: 2248

Dear Mr. Chambers:

Enclosed for your review is a copy of the Compliance Inspection Report for the inspection conducted at Utility Metals Division Fabricated Metals on May 12, 2010. Please review this inspection report and take note of any comments that are listed. If corrective actions are required, a follow-up inspection will be conducted to determine if the site has returned to compliance.

If you have questions or need further information or assistance, feel free to contact this office at the above address or call (502) 429-7120.

Sincerely,

A handwritten signature in black ink, appearing to read "John Michels".

John Michels
Environmental Inspector
Louisville Regional Office
Division of Waste Management

Enclosure:

**Environmental and Public Protection Cabinet
Kentucky Department for Environmental Protection
Division of Waste Management**

Activity: CIN20100001 Inspection

Lead Investigator: Michels, John

Agency Interest/Permit ID: 2248

Agency Interest Name: Utility Metals Division Fabricated Metals

Agency Interest Address: 6210 Strawberry Ln
Louisville, KY 40214

Program: Hazardous Waste

County: Jefferson

Type of Agency Interest: MFG- Fabricated Metal Product Mfg (332)

Agency Interest Contact:

Title:

Phone:

Purpose: Inspection

Inspection Type: HW CEI Conditionally Exempt SQG

Inspection Date: 05/12/2010

Start Time: 09:15 AM

End Time: 10:00 AM

Latitude: 38.15152800

Longitude: -85.75041700

Coordinate Collection Method:Decimal Degrees

Incident ID(s):

General Comments:

Utility Metals is registered as a conditionally exempt generator of hazardous waste. Utility Metals manufactures outdoor lighting products. Kirk Chambers escorted me around the facility. Utility Metals doesn't generate any hazardous waste at this facility. The paint filters are were tested in January of 2008 and found to be non-hazardous. Utility Metals has a blasting operation but they do not blast any painted material. No violations were discovered during this inspection.

Person(s) Interviewed:

Name

Organization

Kirk Chambers

Utility Metals

Status/Comments:

AIOO2248

| Requirement | Status | Results or Comments |
|--|--------|--|
| Has the generator made adequate hazardous waste determinations for wastes generated? [40 CFR 261.5(g)(1)]. [401 KAR 31:010 Section 5(1)] | C | Utility Metals does not generate any hazardous waste at this time. |
| Is hazardous waste generated on-site either treated or disposed of in an approved on-site facility, or directly delivered to an off-site storage, treatment, or disposal facility? [40 CFR 261.5(g)(3)]. [401 KAR 31:010 Section 5(1)] | C | Utility Metals does not generate any hazardous waste at this time. |
| Does the generator limit hazardous waste generation to no more than 100 kilograms per calendar month? [401 KAR 31:010 Section 5(1)]. [401 KAR 31:010 Section 5(1)] | C | Utility Metals does not generate any hazardous waste at this time. |
| Is the total amount of hazardous waste accumulated on-site limited to no more than 1000 kilograms? [40 CFR 261.5(g)(2)]. [401 KAR 31:010 Section 5(1)] | C | Utility Metals does not generate any hazardous waste at this time. |

Investigator:

Title:

Date:

- ☐ N - N-Not Applicable
☐ E - E-Not Evaluated
☐ V - V-Out of Compliance-NOV
☒ C - C-No Violations observed
☐ I - I-No Violations obs-but impending viol trends obs
☐ D - D-Out of Compliance-Violations Documented
☐ O - O-Out of Comp-LOW non-recurrent Adm. or O&M

Received By:

Title:

Date:

Delivery Method:

Utility Metals, a division of Fabricated Metals LLC

Material Certifications for current raw materials

1. Bull Moose Tube Gerald Facility – 2" steel, round tube
2. Nucor Sheet Mill Group – ¼" carbon steel plate
3. Sapa Extrusions – 1.25" aluminum pipe
4. Hulamin Rolled Products – 3/8" aluminum plate

ALUM

ELKHART, IN 46516

(219) 262-2667

CERTIFIED MATERIAL TEST RESULTS
ALUMINUM EXTRUDED PRODUCTS

| | | | |
|---|--|-------------------|---------------------------|
| CUSTOMER | | ITEM DESCRIPTION | |
| SHIP TO: | UTILITY METALS 6210 R STRAWBERRY LANE LOUISVILLE, KY | PART: | RPAD1.25-10X3.1 |
| SOLD TO: | UTILITY METALS P.O. BOX 9054 LOUISVILLE, KY | DESC: | 1.25" SCHED. 10 PIPE |
| CUSTOMER P.O. NUMBER | | ALLOY AND TEMPER: | NO. OF PCS TOTAL LBS |
| 0054360 | | 6005 - T5 | 1,113 2,188 |
| SAPA ORDER NUMBER | | PLANT | |
| 149357-01 | | 23 | |
| PRODUCT SPECIFICATIONS | | | |
| Certification Sent With Shipment ASTM-B221 | | | |

MECHANICAL PROPERTIES

| DIE NUMBER 941071 | | STRENGTH KSI* | | | | | | | |
|-------------------------|----------------------|---------------|------|---------|------|-----------------|------|--------------|------|
| | | TENSILE | | YIELD** | | ELONGATION %*** | | CONDUCTIVITY | |
| | | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. |
| LOT NUMBER 149357-01 | NUMBER OF TESTS 3 | 40.4 | 40.7 | 37.4 | 37.6 | 10.0 | 10.0 | -- | -- |

CHEMICAL COMPOSITION LIMITS

| ALLOY | SI | | FE | | CU | | MN | | MG | | CR | | ZN | | TI | | OTHERS | |
|----------|---------|------|---------|------|---------|-----|---------|------|---------|-----|---------|------|---------|------|---------|------|----------|-----|
| HEAT NO: | MIN/MAX | | MIN/MAX | | MIN/MAX | | MIN/MAX | | MIN/MAX | | MIN/MAX | | MIN/MAX | | MIN/MAX | | EACH/TOT | |
| 6061 | 0.40 | 0.80 | - | 0.7 | 0.15 | 0.4 | - | 0.15 | 0.8 | 1.2 | 0.04 | 0.35 | - | 0.25 | - | 0.15 | .05 | .15 |
| 6063 | 0.2 | 0.6 | - | 0.35 | - | .10 | - | 0.1 | 0.45 | 0.9 | - | 0.1 | - | 0.1 | - | 0.1 | .05 | .15 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6005 | .60 | .90 | - | 0.35 | - | 0.1 | - | 0.1 | 0.4 | 0.6 | - | 0.1 | - | 0.1 | - | 0.1 | .05- | .15 |
| 6105 | 0.6 | 1 | - | 0.35 | - | .10 | - | 0.15 | 0.45 | 0.8 | - | 0.1 | - | 0.1 | - | 0.1 | .05 | .15 |
| ACTUAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Sapa Extrusions hereby certifies that metal shipped under the order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Sapa Extrusions's Sale Order Acknowledgement Form. Any warranty is limited to that shown on Sapa Extrusions's Standard General Terms & Condition of Sale. Test reports are on file, subject to examination. This product is mercury free.
Made in USA.

AUTHORIZED SIGNATURE

Joanne Plummer

JOANNE PLUMMER
QUALITY ASSURANCE

DATE

11/20/11

* KIPS PER SQUARE INCH. ONE KIP EQUALS 1000 POUNDS.

** YIELD STRENGTH IS DETERMINED BY THE 2% OFFSET METHOD

*** MEASURED IN 2" SECTION

TEST CERTIFICATE



Certificate No : 1009LB5547

Hulamin Limited Reg. No. 1940/013924/06 VAT Reg. No. 4080149604
HEAD OFFICE: Moses Mabhida Rd, Pietermaritzburg 3201, P.O. Box 74, Pietermaritzburg 3200, South Africa
Telephone: +27 33 365 6911 Telefax: +27 33 394 6336

| | | | | |
|--|--------------------|----------------|----------------------|------------------------------------|
| BUYER: EMPIRE RESOURCES INC 10th FLOOR 1 PARKER PLAZA FORT LEE | Hulamin Load No: | HL002818 | Product : | .375" X 48" X 144" PLATE 5052, H32 |
| | Lot No : | 27/08/026W0 | Dimension : | 0.375" X 48" X 144" |
| | P/List No : | 2/880529 | Alloy - Temper : | 5052 - H32 |
| | Release No : | RE062537 | | |
| | Cust Order No : | 4612-P-R133480 | Certificate No : | 1009LB5547 |
| | HULAMIN Order No : | 084720E | Cust Ref/Part No : | |
| | Item Part : | 1/1 | Combined P/List No : | |

Case No : EVL482,EVL483,EVL48T,EVL484

MECHANICAL TEST RESULTS

| Lot No. | Cast No. | Metal Id | Alloy | Spec No | Mechanical Properties | | | | | | |
|-------------|----------|----------|-------|---------|-----------------------|-----------|--------------------|------------|-----------|-----------------------|-----------|
| | | | | | Yield Strength (Ksi) | UTS (Ksi) | Elongation A50 (%) | Earing (%) | Test Date | Gauge Length (Inches) | Bend Test |
| Spec | | | | Min | 22.9 | 31.0 | 9 | | | | |
| | | | | Max | | 38.0 | | | | | |
| 27/08/026W0 | 10203B42 | 73828085 | 5052 | 1 | 24.5 | 33.4 | 20 | | 01/09/10 | 02 | |
| | | | | 2 | 24.6 | 33.5 | 21 | | 01/09/10 | 02 | |

CHEMICAL COMPOSITION

| | Cast No. | Alloy | Si (%) | Fe (%) | Cu (%) | Mn (%) | Mg (%) | Cr (%) | Zn (%) | Ti (%) | Each (%) | Total (%) | Al (%) |
|-----|----------|-------|--------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|
| Min | | | 0.25 | 0.40 | 0.10 | 0.10 | 2.2 | 0.15 | | | | | |
| Max | | | | | | | 2.6 | 0.35 | 0.10 | 0.05 | 0.05 | 0.15 | |
| | 10203B42 | 5052 | 0.06 | 0.34 | 0.00 | 0.00 | 2.57 | 0.19 | 0.00 | 0.009 | | | |

MATERIAL COMPLIES TO AMS QQ-A-250/2A, ASTM B209 - 07, AMS 4016 L

For purposes of determining conformance with these specifications, an observed value or a calculated value shall be rounded "to the nearest unit" in the last right-hand digit used in expressing the specification limit, in accordance with the rounding method of ASTM Practice E29, for Using Significant Digits in Test Data to Determine Conformance with Specifications.

WE HEREBY CERTIFY, THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE TERMS OF THE ORDER CONTRACT. THE INSPECTION RESULTS INDICATED IN THE CHEMICAL COMPOSITION HAVE BEEN OBTAINED FROM CAST ANALYSIS.

Dr. A. Pritchard (HEAD OF CHEMICAL TESTING)

Ver 1.0.1

V. Manram (HEAD OF PHYSICAL TESTING)

Printed Date : Monday, October 18, 2010

Melter cast, rolled and processed in South Africa - meets Requirements of RoHS and REACH

1 of 1

ALRO STEEL/METAL



RT06273339

RECEIVED at
Alro Potterville

MAR 09 2011

by _____



BULL MOOSE TUBE GERALD FACILITY
CERTIFICATION OF TESTS

01/05/12

Page 1 of 2

PO 54448

1819 Clarkson Rd.
Chesterfield, Missouri 63017

ILL TO Utility Metals Division
Fabricated Metals, LLC
P.O. Box 9054
Louisville KY 40209

SHIP TO Utility Metals
6210 Strawberry Lane
Louisville

KY 40214

B/L Number 250360

Ship Via

613_812a

2.375" X 0.120 HR X 24'

60.3 mm

Ladle Analysis and Physicals

ASTM A500-10 B Melted & Mfg USA RS

Order # 367961

Purchase Order # 54448

Item # 133933 1520

Customer Item #

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = A60763

P NG

| C | MN | P | S | AL | SI | CB | CU | CR | NI | VA | YLD psi | TSN psi | ELN |
|------|------|------|------|------|------|-------|------|------|------|------|---------|---------|-----|
| .070 | .370 | .012 | .003 | .029 | .030 | 0.000 | .090 | .040 | .040 | .001 | 55044 | 58365 | 49 |

2.375" X 0.120 HR X 24'

60.3 mm

Ladle Analysis and Physicals

ASTM A500-10 B Melted & Mfg USA RS

Order # 367961

Purchase Order # 54448

Item # 133933 1520

Customer Item #

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = A60677

P NG

| C | MN | P | S | AL | SI | CB | CU | CR | NI | VA | YLD psi | TSN psi | ELN |
|------|------|------|------|------|------|-------|------|------|------|------|---------|---------|-----|
| .060 | .390 | .011 | .004 | .023 | .030 | 0.000 | .150 | .040 | .050 | .001 | 57553 | 59176 | 48 |

2.375" X 0.154 HR X 21'

60.3 mm

Ladle Analysis and Physicals

ASTM A500-10 B Melted & Mfg USA RS

Order # 367961

Purchase Order # 54448

Item # 103577 1520

Customer Item #

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = C58933

P NG

| C | MN | P | S | AL | SI | CB | CU | CR | NI | VA | YLD psi | TSN psi | ELN |
|------|------|------|------|------|------|-------|------|------|------|------|---------|---------|-----|
| .060 | .390 | .009 | .004 | .026 | .030 | 0.000 | .080 | .050 | .040 | .001 | 64525 | 67278 | 47 |

Shipping Clerk:

David Caldwell

THIS WELDED STEEL TUBING IS MANUFACTURED IN THE UNITED STATES OF AMERICA AND HAS BEEN PRODUCED IN ACCORDANCE WITH THE STATED SPECIFICATION. LADLE CHEMISTRIES ARE REPORTED FROM DOCUMENTS PROVIDED BY THE SUPPLYING STEEL MILL. ANY PHYSICAL AND MECHANICAL TESTING RESULTS SHOWN ON THIS CERTIFICATION ARE CORRECT AS CONTAINED IN THE RECORDS OF THE COMPANY.

From: RYERSON TULL SOUTH

To: 5022660095 LVLEDAD

Mag#87345.0.901

11/16/2011 14:04 Page 1 of 1

Cust: (none) ORD#: (none) Date: 11111611 Time: 135859 To: LVLEDAD Page 1 of 1

Nucor Sheet Mill Group - Mill Certification Details

Page 1 of 1

Nucor Sheet Mill Group - Mill Certification Details

1/4" plate
PO 54372

Heat #: 1112344

Mill Order #: 292113

Sold To: RYERSON PROCUREMENT

Ship To: RYERSON

PO BOX 91602

1305 SOUTH STEEL

LUBBOCK, TX 79490

CIRCLE

HUGER, SC 29450

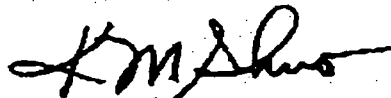
| Date Shipped | BOL # | Coil # | PO # | Description | Chemical Treatment |
|--------------|--------------------------|--------|------|--|--------------------|
| 10/17/2011 | 9085821112344-04M2222864 | | | 0.24000" MIN x 48.000" HOT ROLLED FOR ASTM A36 | |

Heating Information

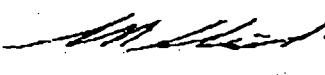
| Heat # | C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | Al | V | Nb | N | Ti | B | Ca | H | O | Sb |
|---------|-----|-----|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|---|---|----|
| 1112344 | .19 | .47 | .008 | .002 | .02 | .09 | .03 | .02 | .01 | .004 | .026 | .004 | .001 | .006 | .001 | .000 | .002 | | | |

Mechanical Properties:

The testing was conducted in accordance with the requirements of this specification. All melting and manufacturing processes were performed in the United States of America.



Kevin Skero
Hot Mill Metallurgist



Steve Slesinski
Chief Metallurgist

For P.O. 54372



UTILITY METALS

Quality Products you can look up to...

American Made!



Lighting Brackets



Area Lighting Poles



Overhead Sign Structures



*Traffic Signal Structures &
Roadway Lighting Supports*

Utility Metals
6210

Utility Metals P.O. Box 9054 Louisville, KY 40209
800•627•8276 502•363•6681 502•368•2656 Fax
A Division of Fabricated Metals LLC
www.utilitymetals.com

"We help light the world!"



UTILITY METALS

Quality Products you can look up to...

American Made!

Lighting Brackets



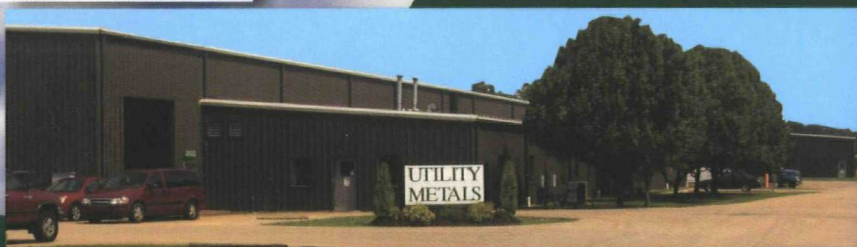
Area Lighting Poles



Traffic Sign Structures



Facilities



*Traffic Signal Structures
Custom Manufacturing*



Utility Metals
P.O. Box 9054
Louisville, KY 40209

800•627•8276
502•363•6681
502•368•2656 Fax

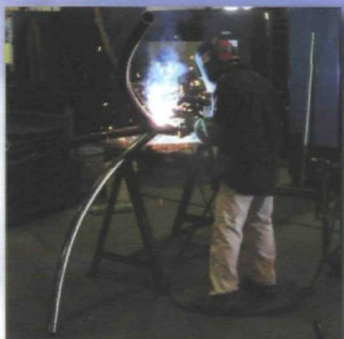
A Division of Fabricated Metals LLC

www.utilitymetals.com

Lighting Brackets



P-Series Cantilever Bracket



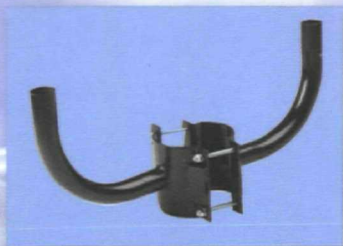
Upsweep Tenon Mounting Bracket



Five Light - Sport Bracket



Four Light - Bull Horn Bracket



Right Angle Wrap Bracket
for Round Poles



Double Right Angle Bracket
for Wall Mounting

● We stock thousands of mast arms and lighting brackets, all ready for immediate shipment. Our brackets are available in aluminum and steel.

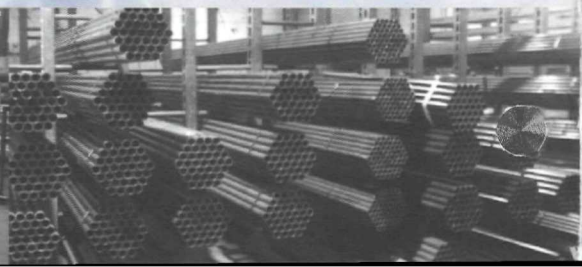
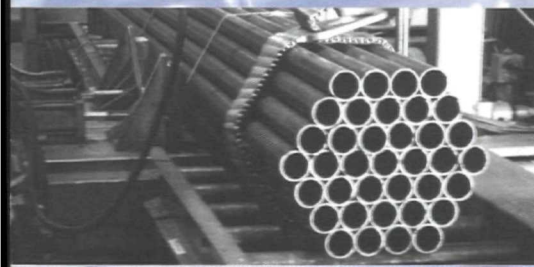
We offer:

- Truss brackets
- Cantilever style brackets
- Floodlight brackets
- 1,2,3, & 4 arm wrap around brackets
- Bull horn brackets
- Spoke brackets
- 2,3,4,5, & 6 light sport brackets
- Plus hundreds of other sizes, styles and configurations.

No matter what your project is, Utility Metals has a solution to fit your need and specifications.



Tenon Adapters



Area Lighting Poles



Automated tubing cutting



Signal Poles ready for hot dip galvanizing



Hinged Poles



Camera & Surveillance Poles



Camera Poles



Completed Poles

Utility Metals is a major manufacturer of area lighting poles. Our poles are manufactured in Louisville, Kentucky USA with the highest quality steel available. Utility Metals' 50 + years of experience gives outstanding quality assurance & exceptional customer service with products that will meet or exceed your expectations.

We offer:

- Round steel poles
- Round steel tapered poles
- Square steel poles
- Round steel direct burial poles
- Round tapered steel direct burial poles
- Square steel direct burial poles
- Pedestrian poles
- Hinged poles
- Camera and surveillance poles
- Pole accessories-tenons, brackets and arms

Most poles are available up to 40' in length with your specified finish.

Traffic Sign Structures



Utility Metals
"Made in the USA"

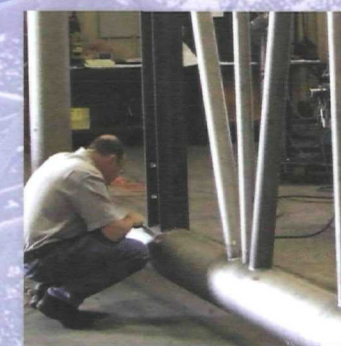


Traffic Signal Structures

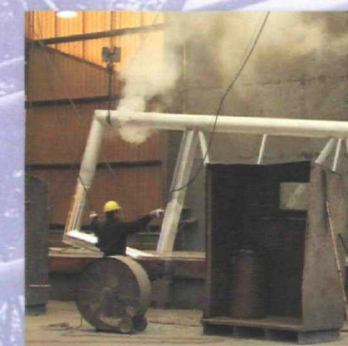
Our traffic structures are manufactured in accordance with the "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals" published by AASHTO. Each customer's plans and specifications are carried out with complete traceability. Backed by our certification from the American Institute Of Steel Construction (AISC), Standard for Bridge and Highway Metal Component. Utility Metals can ensure that all structures are built to the highest manufacturing standards.



Welders are AWS D1.1 Qualified



Staff CWI



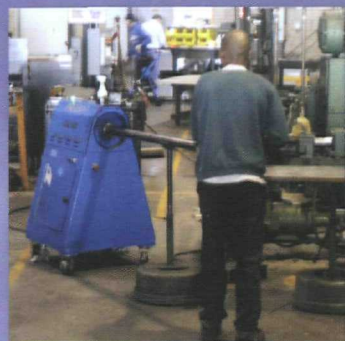
Hot dipped galvanized

Our contract review and design control procedures guarantees total compliance with the various DOT requirements in the state or municipality where structures would be installed. All welding is performed by Qualified Welders to AWS D1.1 and a CWI is on staff. All structures are hot dip galvanized or powder coated for a long lasting, maintenance free life span.

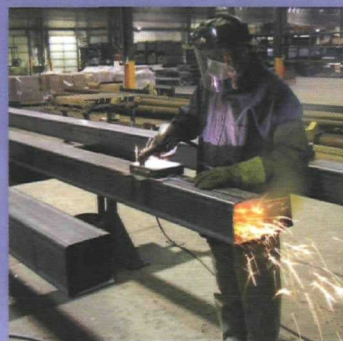


ing powder coated, hot dipped galvanized, acrylic painted and primer coated on all our products.

Custom Fabrication



Deburr Tubing



Plasma Cutting



80 Ton Press Brake



Powder Coating



Tapered Aluminum Scroll Arm



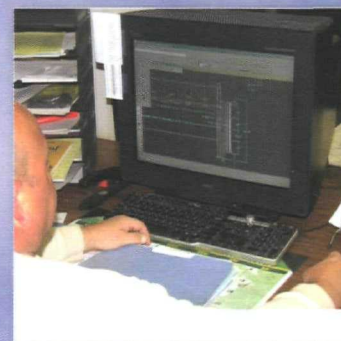
Aluminum Bus Angle Substation



Custom Banner Poles

Custom Fabrication is well known at our facilities. We have custom manufactured brackets, poles & some of the most unique projects around. Our experienced sales and engineering staff will design or fabricate to your exact plans and specifications. The 150 years of combined experience of our sales, quality, engineering and production team is directed towards each project, satisfying our customers' needs. We have manufactured & shipped custom projects throughout the USA and abroad.

Facilities



Micostation



Customer Service



Sales

Utility Metals, a division of Fabricated Metals LLC, is a leading manufacturer of outdoor lighting products. Our state-of-the-art plant consists of 75,000 square feet of manufacturing space. We have the necessary equipment to handle any customer request for lighting brackets, mast arms, and area lighting poles in addition to expert custom fabrication. We have a highly experienced team of project managers, engineers and customer service reps to assure that your project will be handled promptly and efficiently. Working as a cohesive group, we can achieve your project goals and answer any questions you may have. Our satisfied customers include most of the major lighting fixture manufacturers throughout the United States. In addition to our commercial and industrial markets, we also supply the utility and highway markets. Our manufacturing plant is always open to customer visits to observe our manufacturing process, see the quality of products we produce, and meet the staff that makes it happen.

- Stocking programs available
- Facility locations:

Reno, Nevada

Malvern, PA

Utility Metals, manufacturing products you can look up to!



Utility Metals
P.O. Box 9054
Louisville, KY 40209
800•627•8276
502•363•6681
502•368•2656 Fax

A Division of Fabricated Metals LLC

www.utilitymetals.com



Sustaining Member: IES, IMSA & NEMRA





Utility Metals

*A Division of Fabricated Metals LLC
Manufacturer of Outdoor Lighting Products*

P.O. Box 9054
Louisville, KY 40209-0054

502/ 363-6681 Phone
800/ 627-8276 Toll Free
502/ 368-2656 Fax
www.utilitymetals.com

The following organization structure for Utility Metals has been prepared to assist our customers when calling us. Please make this information available to the employees in your organization who may have a need to call us. We would also like to request that you send a copy to your accounting department to ensure the information they have on file for our company is correct. We appreciate your business and hope this information will enable us to serve you better.

MANAGEMENT: Thomas C. Diebold, Chairman
Tina Fowler, President
Shirley L. Jaggers, Vice President, Human Resources
Kirk B. Chambers, Vice President, Engineering
Dannis Hughbanks, Vice President, Manufacturing

SALES TEAM: Eric Hickman, Sales Manager (erich@utilitymetals.com)
Heidi Ward (heidew@utilitymetals.com)
David Riddle (davidr@utilitymetals.com)

Dan Ellis, Project Manager DOT/ AISC (dane@utilitymetals.com)
Gary Weihe, DOT/ AISC (garyw@utilitymetals.com)

STAFF: Amanda Harrison, Office Manager (amandah@utilitymetals.com)
Stewart Long, Quality Assurance Manager (stewartl@utilitymetals.com)
Paul Daugherty, Drafting Manager (pauld@utilitymetals.com)
Erica Watson, Accounting Manager (ericaw@strong-hold.com)
Kevin Boone, Drafting (kevinb@utilitymetals.com)
Debbie Lucas, Purchasing (debbiel@utilitymetals.com)
McCaffity Wester, Shipping (mccaffityw@utilitymetals.com)

GENERAL EMAIL: info@utilitymetals.com

WEBSITE: www.utilitymetals.com

GENERAL
INFORMATION

UTILITY METALS' POWDER COATINGS



Powder coating has become a very popular process for paint application. Utility Metals' powder provides a durable finished product. Product life is extended with our powder by providing excellent color retention, chemical and abrasion resistance, and overall weatherability. Coatings are consistent, environmentally safe and withstand the effects of ultraviolet rays.

Standard colors are shown on the reverse side and readily available. Products finished with these standard colors normally have a short delivery time.

At an additional charge, other colors and textures are available or we can match your color chip. Special finishes will require longer product delivery times.

SURFACE PREPARATION:

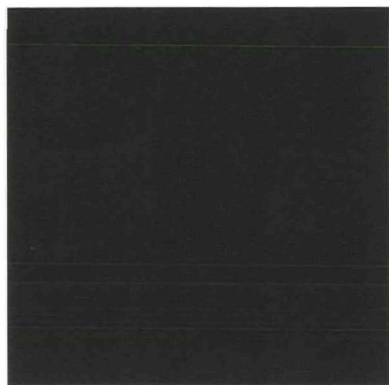
After fabrication, all poles are blasted to a SP6 or better surface finish to remove all dirt, mill scale, oxides and other foreign matter. Each pole is then visually inspected. Blasting is performed with abrasive conforming to SAE Shot Number S230 in a fully-integrated recycling 15 HP eight wheel system.

POWDER COATING: Surfaces are coated with a TGIC or urethane powder to a minimum dry film thickness per powder manufacturer's recommendations. The coating is electrostatically applied and cured in a gas-fired convection oven by heating the steel substrate to the powder manufacturer's specifications.

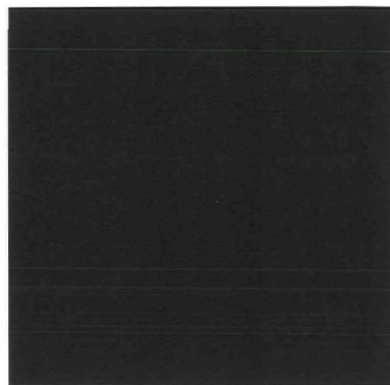
PROPERTIES OF UTILITY METALS' POWDER COAT FINISH

- Excellent color retention
- Ultra-violet durability
- Overall weatherability
- Corrosion, abrasion, chip and scratch resistant
- Superior adhesion
- Uniform coating
- Attractive appearance

UTILITY METALS' POWDER COATING COLOR SELECTOR

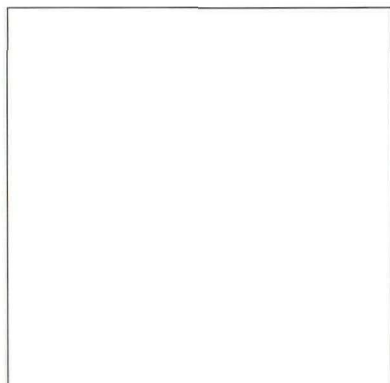


Light Bronze

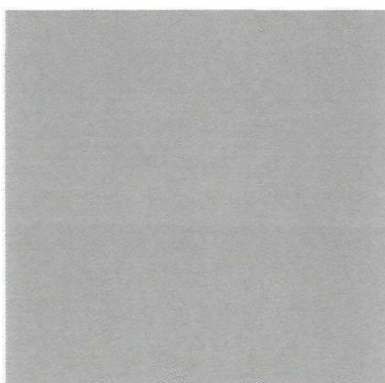


Dark Bronze

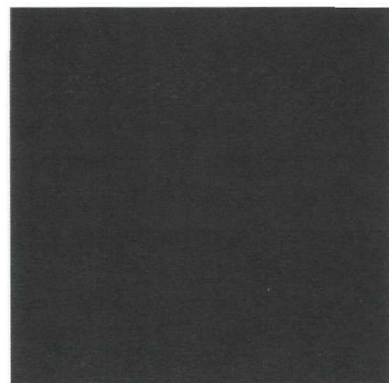
Other Standard Bronze Finishes Available



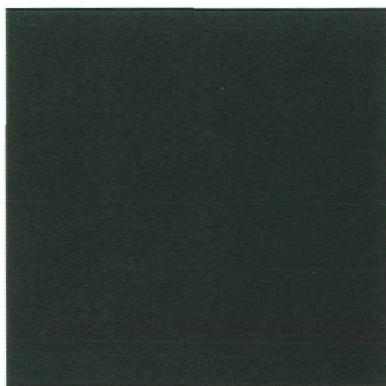
White



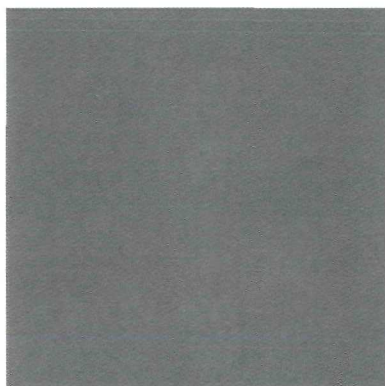
Light Gray



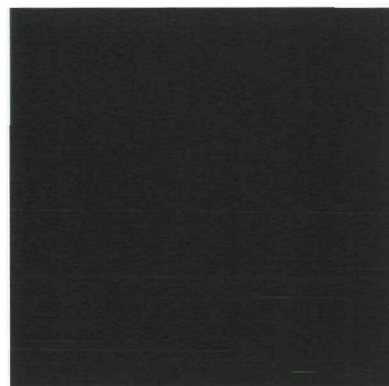
Dark Gray



Green



Natural Aluminum



Black



Utility Metals
P.O. Box 9054
Louisville, KY 40209

800-627-8276
502-363-6681
502-368-2656 FAX
www.utilitymetals.com

*A division of
Fabricated Metals LLC*



*Note: Due to the printing process, color chart may vary slightly from the actual powder coat.
Powder coat sample chips available upon request.*

OUR MISSION...

Utility Metals, an established company since 1955, manufactures and fabricates products primarily for the outdoor lighting market.

Utility Metals is committed to operating profitably based on fair and competitively priced products.

Utility Metals is dedicated to excellence in the industry, by being more efficient than our competition, and by providing the highest quality products through the assurance of a documented quality program.

Utility Metals is dedicated to customer satisfaction: fulfilling the needs of the

customer on a timely basis and building relationships through value added service.

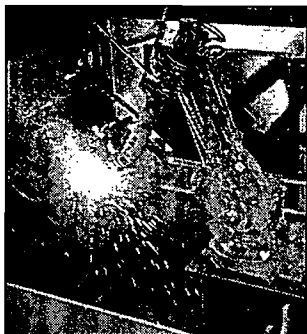
Utility Metals is a responsible community partner and encourages employee involvement.

Utility Metals is committed to providing an environment for its employees that includes

respect, training, development, and fulfillment, in order to achieve job satisfaction and a high level of productivity.

Utility Metals is committed to being a leader in the outdoor lighting market, and to the exploration of new markets for growth opportunities.

UTILITY METALS AT A GLANCE...



- Manufacturer of outdoor lighting products since 1955
- Steel and aluminum mast arms, brackets, and pole accessories
- Square, round, and round tapered steel area lighting poles
- Powder coat, hot dip galvanized, acrylic paint, and primer finishes
- Custom fabrication
- Substantial inventory maintained for immediate shipment
- Customers include OEMs, utilities, distributors, and contractors
- Distributors for Akron Foundry transformer bases

QUALITY ASSURANCE...

Utility Metals' success through time has demonstrated a strong customer commitment.

We have taken that commitment a step further by providing our customers with the

assurance of a documented quality program; created along the guidelines of ISO 9001.

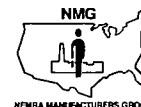
We are driven to exceed our customers' needs through

exceptional service and on-time deliveries. A continuous effort is made to seek innovative ways of providing the highest quality products in the most cost effective manner.



MEMBERS...

As a further commitment to and our support for the lighting and electrical industry, Utility Metals is proud to be a member of the following associations:



TERMS AND CONDITIONS

WARRANTY

Utility Metals warrants all goods of our manufacture to be free from defects in material and workmanship under normal use and service. Any goods found to be defective, upon examination by us, within 12 months from date of shipment, shall be repaired or replaced by us without charge, FOB factory within the continental United States. All export taxes, fees and duties occurring from warranty shipments beyond the continental United States will be the customer's responsibility.

This warranty shall be null and void and of no effect unless we are notified of such defect, all within 12 months from date of shipment. Such notification shall be directed to the office of Utility Metals. No goods shall be returned without prior written approval.

Explicitly excluded from this warranty are: special finishes and labor required to remove and/or reinstall original or replacement parts.

This warranty does not cover damage caused by improper installation, overloading, accident, improper storage, or neglect, alterations, modifications, or additions.

Utility Metals warrants the items purchased from other manufacturers only to the extent of the normal warranty of these manufacturers.

The above warranties are given in lieu of all other warranties express or implied, including without limitation, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly agreed that Utility Metals assumes no liability for liquidated damages arising out of a breach of contract, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above.

QUOTATIONS

Prices quoted are subject to receipt and acceptance of order within 30 days of the date of the quotation unless otherwise noted on quote.

TAXES

Utility Metals reserves the right to add sales tax, or any other tax, which may be imposed on our products, as required by law. All shipments into the State of Kentucky will carry the current state sales tax unless a resale certificate for the State of Kentucky is on file at Utility Metals.

TERMS OF PAYMENT

Payment terms are net 30 days to established customers. New customers must furnish credit references before credit can be issued. A credit line will be based on credit reference information received by Utility Metals.

CANCELLATIONS

Written consent from Utility Metals must be obtained prior to the cancellation of any order. Cancellation charges may apply.

RETURNED GOODS

Prior written authorization from Utility Metals must be obtained before credit on returned goods will be given. Returns shall be subject to a restocking charge and must be returned to Utility Metals freight "prepaid."

LOSS OR DAMAGE IN TRANSIT

Utility Metals shall not be liable for loss or damage in transit. The following steps must be taken to ensure proper handling of loss or damage claims:

1) Products received freight prepaid must be checked against the packing list to ensure all items were delivered. In case of shortages, note on the carrier's paperwork "Shipment Received Short." If shortage is not discovered upon receipt from carrier, Utility Metals must be notified of shortages within 24 hours of receipt to ensure a claim for loss can be filed. Shortages reported later than 24 hours carry no guarantee of replacement/credit.

2) Products received freight prepaid must be checked for damage upon receipt. In the case of damage observed upon delivery, note on carrier's paperwork "Received with Damage." Contact Utility Metals immediately. In the case of concealed damage, Utility Metals must be notified within 24 hours of receipt in order to report concealed damage to the carrier. Failure to report concealed damage within 24 hours may result in loss of repair costs/replacement of product.

3) Products received freight collect must be checked for damage upon receipt. In case of damage observed upon delivery, note on carrier's paperwork "Received with Damage." Utility Metals will not be responsible for any damage or loss on collect shipments. Freight claims rest solely with the consignee.

DELIVERIES

Delivery dates are estimated dates only, and unless otherwise specified, are estimated from the date of receipt by Utility Metals of purchase order, complete technical data and approved drawings.

In estimating such dates, no allowance will be made, nor shall we be liable directly or indirectly, for delays of carriers or delays from labor difficulties, shortages, strikes or stoppages of any sort, fires, accidents, failure or delay in obtaining materials or manufacturing facilities, acts of government affecting us directly or indirectly, bad weather or any causes beyond our control or causes designated as Acts of God or forces of nature by any court of law, and the estimated delivery dates shall be extended accordingly. We will not be liable for any damages or penalties, whatsoever, whether direct, indirect, special or consequential, resulting from our failure to perform or delay in performing unless otherwise agreed in writing by an authorized officer of Utility Metals.

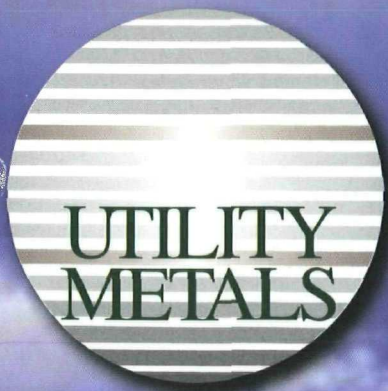
FOR SPECIAL DESIGNS AND/OR APPLICATIONS NOT SHOWN IN OUR CATALOGS, PLEASE CONSULT UTILITY METALS.



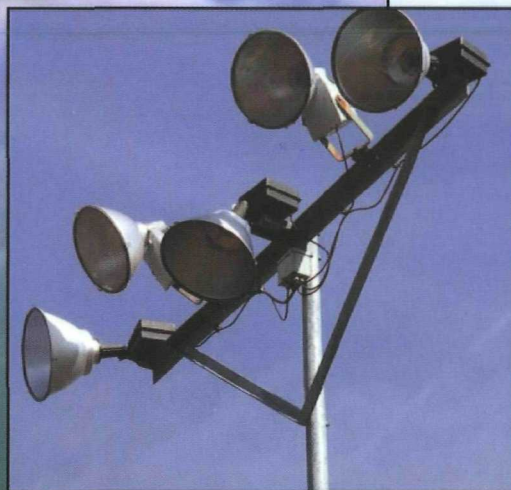
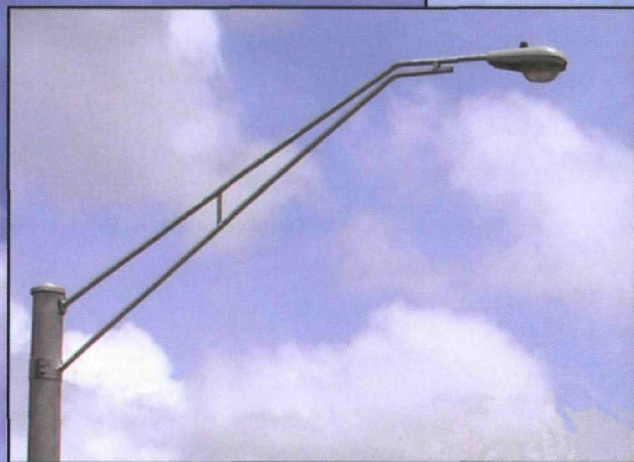
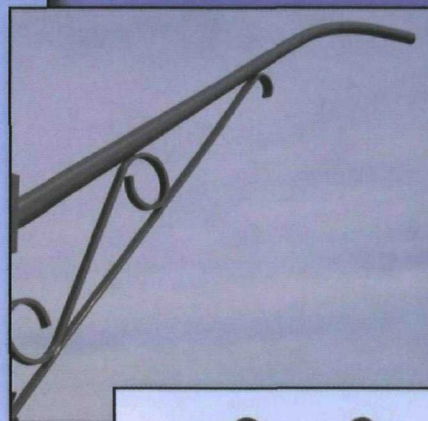
Utility Metals
P.O. Box 9054
Louisville, Ky 40209

800-627-8276
502-363-6681
502-368-2656 FAX
www.utilitymetals.com

*A division of
Fabricated Metals LLC*



Lighting Brackets



Utility Metals
P.O. Box 9054
Louisville, KY 40209

800•627•8276
502•363•6681
502•368•2656 Fax

A Division of Fabricated Metals LLC

www.utilitymetals.com

"We help light the world!"

Our Mission...

Utility Metals, an established company since 1955, manufactures and fabricates products primarily for the outdoor lighting market.

Utility Metals is committed to operating profitably based on fair and competitively priced products. Utility Metals is dedicated to excellence in the industry, by being more efficient than our competition, and by providing the highest quality products through the assurance of a documented quality program.

Utility Metals is dedicated to customer satisfaction: fulfilling the needs of the customer on a timely basis and building relationships through value added service.

Utility Metals is a responsible community partner and encourages employees' involvement.

Utility Metals is committed to providing an environment for its employees that includes respect, training, development, and fulfillment, in order to achieve job satisfaction and high level of productivity.

Utility Metals is committed to being a leader in the outdoor lighting market, and to the exploration of new markets for growth opportunities.



Ready to ship inventory.

Utility Metals at a Glance...

- Manufacturer of outdoor lighting products since 1955
- Steel and aluminum mast arms, brackets, and pole accessories
- Square, round, and round tapered steel area lighting poles
- Powder coat, hot dip galvanized, acrylic paint, and primer finishes
- Custom fabrication
- Substantial inventory maintained for immediate shipment
- Customers include OEM, utilities, distributors, contractors and DOT's
- Distributors for Akron Foundry transformer bases and Component Products Helix Foundations



Quality Assurance

AISC Certified



Utility Metals' success through time has demonstrated a strong customer commitment. We have taken that commitment a step further by providing our customers with the assurance of a documented quality program. We are driven to exceed our customers' needs through exceptional service and on-time deliveries. A continuous effort is made to seek innovative ways of providing the highest quality products in the most cost effective manner.

Members...

As a further commitment to and our support for the lighting and electrical industry, Utility Metals is proud to be a member of the following associations:

IES

**SUSTAINING
MEMBER**



Table of Contents

Steel & Aluminum

Wood Pole Mounting Brackets

| | Page |
|--|-------|
| "P" Series - Cantilever Style Brackets | 1 |
| "M" Series - Cantilever Style Brackets | 2 |
| "S" Series - Single Guy Rod Brackets | 2 |
| "D" Series - Double Guy Rod Brackets | 3 |
| "U" Series - Continuous Upsweep Brackets | 4 |
| "P" Series - Cross Arm Brackets | 5 |
| Twin Cross Arm Adapter Angle Bracket | 5 |
| "P" Series - Twin Cross Arm Brackets | 6 |
| "B" Series - Tapered Elliptical Brackets | 6 |
| "A" Series - A-Frame Brackets | 7 |
| Truss Brackets | 8 |
| Single Floodlight Brackets | 9 |
| Double Floodlight Bracket | 9 |
| Triple Floodlight Bracket | 10 |
| Right Angle Brackets | 10 |
| Wrap Around Brackets | 11-12 |

Steel & Aluminum

Concrete & Steel Pole Mounting Brackets

| | |
|---|-------|
| "P" Series - Cantilever Style Brackets | 13 |
| "U" Series - Continuous Upsweep Brackets | 14 |
| "B" Series - Tapered Elliptical - Concrete Pole | 15 |
| "E" series - Cantilever Style - Round Pole | 15 |
| Truss Brackets-Square & Round Pole Mounting | 16 |
| Right Angle Wrap Brackets for Round & Square | |
| Poles - Single & Double Arms | 17 |
| Right Angle Brackets | 18 |
| Side Tenon Brackets | 19 |
| Wrap Around Brackets | 20-21 |

Pole Top Mounting Brackets & Accessories

| | Page |
|-----------------------------|-------|
| Bullhorn Brackets | 22-24 |
| Spoke Brackets | 25-27 |
| Round Square Round Brackets | 28-30 |
| Upsweep Brackets | 31-32 |
| Tenon Reducers & Adapters | 33 |

Sports lighting Brackets

| | |
|--|-------|
| Lighting Brackets - Wood Pole | |
| Two to Six Light Capacity | 34-36 |
| Lighting Brackets - Square & Round Poles | |
| Two To Six Light Capacity | 36 |

Corner Mounting Brackets

| | |
|-----------------|----|
| Parapet Bracket | 37 |
|-----------------|----|

Wall Mounting Brackets

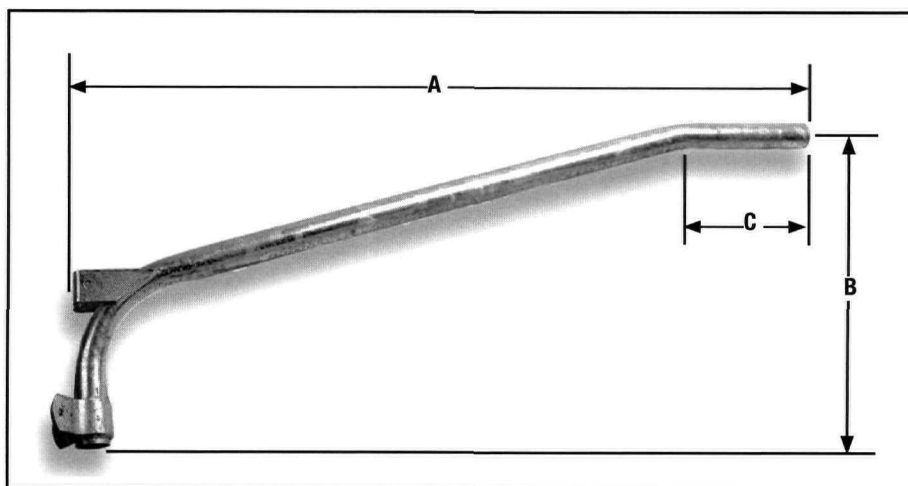
| | |
|--|-------|
| Side Angle Bracket with Tenon | 37 |
| "J" Series-Continuous Upsweep Brackets | 38 |
| "E" Series-Cantilever Style Brackets | 38 |
| "P" Series- Cross Arm Brackets | 39 |
| Right Angle Brackets | 39-40 |
| Double Right Angle Brackets | 40 |
| Side Angle Brackets | 41 |
| Vertical Tenon Brackets | 41 |
| Terms & Conditions | 42 |

Utility Metals reserves the right to modify or change any portion of this catalog, its contents and terms and conditions without notice, to allow for material availability, manufacturing process and product change. For publication purposes, dimensions are rounded to the nearest inch where appropriate.

Throughout the catalog this symbol ♦ indicates stock item (in limited quantity).

"P" Series - Cantilever Style Bracket

Wood Poles Mounting



- Mounting hardware not included
- With underbrace*

Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|-----|----------|
| ◆ P125A040 | 1- 1/4" | 4' | 42" | 19" | 10" | 4 |
| ◆ P125A060U* | 1- 1/4" | 6' | 66" | 24" | 12" | 6 |
| P200A020 | 2" | 2' | 24" | 13" | 8" | 5 |
| ◆ P200A026 | 2" | 2'-6" | 30" | 15" | 10" | 6 |
| ◆ P200A040 | 2" | 4' | 42" | 19" | 10" | 7 |
| ◆ P200A060 | 2" | 6' | 66" | 24" | 12" | 10 |
| ◆ P200A080 | 2" | 8' | 90" | 30" | 15" | 12 |

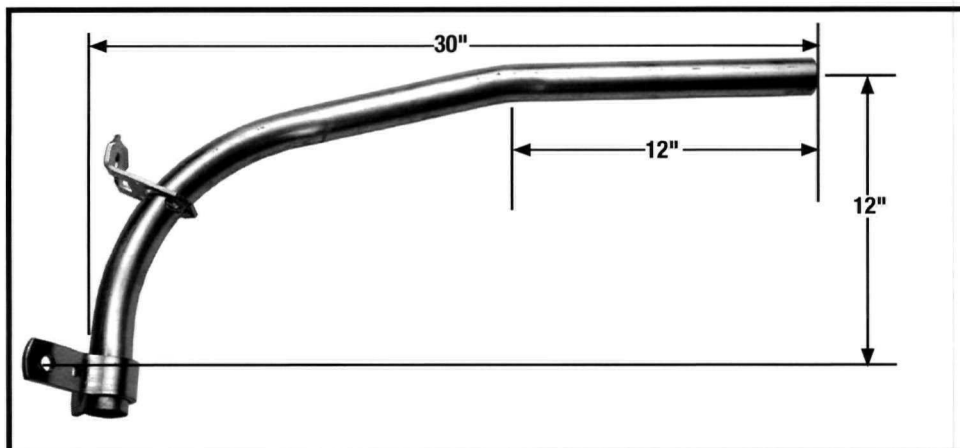
Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|-----|----------|
| ◆ P125S020 | 1- 1/4" | 2' | 24" | 13" | 8" | 7 |
| ◆ P125S024 | 1- 1/4" | 2'-4" | 28" | 13" | 9" | 9 |
| ◆ P125S026 | 1- 1/4" | 2'-6" | 30" | 15" | 10" | 9 |
| ◆ P125S040 | 1- 1/4" | 4' | 42" | 19" | 10" | 11 |
| ◆ P125S060 | 1- 1/4" | 6' | 66" | 23" | 12" | 15 |
| ◆ P125S080 | 1- 1/4" | 8' | 90" | 30" | 15" | 20 |
| P200S020 | 2" | 2' | 24" | 13" | 8" | 14 |
| ◆ P200S026 | 2" | 2'-6" | 30" | 15" | 10" | 15 |
| ◆ P200S040 | 2" | 4' | 42" | 19" | 10" | 18 |
| ◆ P200S060 | 2" | 6' | 66" | 24" | 12" | 24 |
| ◆ P200S080 | 2" | 8' | 90" | 30" | 15" | 30 |

◆ Indicates stock item (in limited quantity).

"M" Series-Cantilever Style Bracket

Wood Pole Mounting



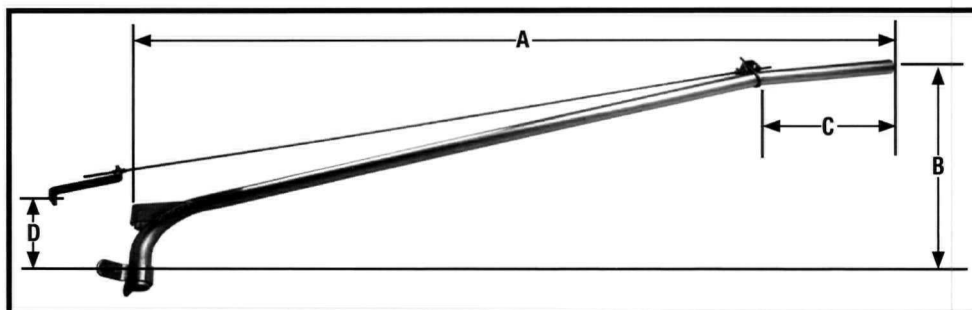
• Mounting hardware not included

Aluminum

| Catalog Number | Pipe Size | Nom. Length | Wt./LBS. |
|----------------|-----------|-------------|----------|
| ◆ M125A026 | 1-1/4" | 2'-6" | 3 |

"S" Series-Single Guy Rod Bracket

Wood Pole Mounting



- Guy rod hardware shipped in bags
- Brackets shipped unassembled
- Mounting hardware not included

Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | C | D | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|-----|-----|----------|
| ◆ S200A060 | 2" | 6' | 66" | 24" | 12" | 20" | 14 |
| ◆ S200A080 | 2" | 8' | 90" | 30" | 15" | 22" | 16 |

Steel

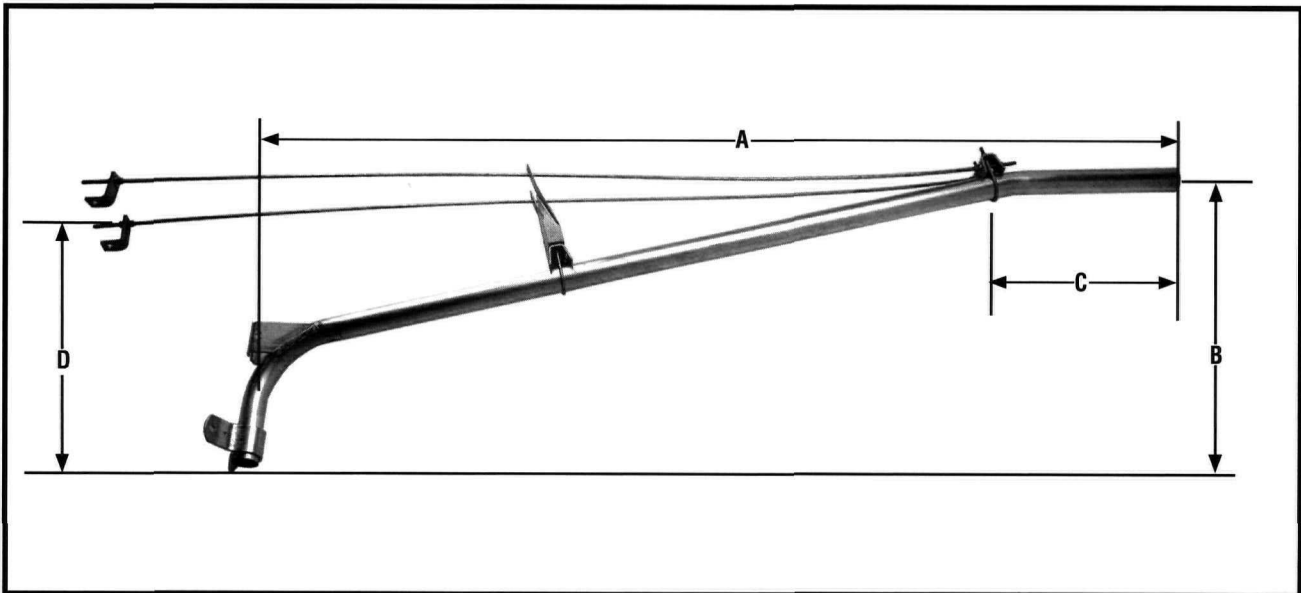
| Catalog Number | Pipe Size | Nom. Length | A | B | C | D | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|-----|----------|
| ◆ S125S060 | 1-1/4" | 6' | 66" | 24" | 12" | 20" | 20 |
| ◆ S125S080 | 1-1/4" | 8' | 90" | 30" | 15" | 22" | 23 |
| ◆ S125S100 | 1-1/4" | 10' | 114" | 35" | 18" | 24" | 26 |
| ◆ S200S060 | 2" | 6' | 66" | 24" | 12" | 20" | 27 |
| ◆ S200S080 | 2" | 8' | 90" | 30" | 15" | 22" | 34 |
| ◆ S200S100 | 2" | 10' | 114" | 35" | 18" | 24" | 42 |
| ◆ S200S120 | 2" | 12' | 138" | 40" | 21" | 26" | 50 |

◆ Indicates stock item (in limited quantity).

"D" Series-Double Guy

Wood Pole Mounting

- Guy Rod hardware shipped in bags
- Brackets shipped unassembled
- Mounting hardware not included



Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | C | D | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|-----|----------|
| ◆ D200A080 | 2" | 8' | 90" | 30" | 15" | 22" | 23 |
| ◆ D200A100 | 2" | 10' | 114" | 35" | 18" | 24" | 27 |
| ◆ D200A120 | 2" | 12' | 138" | 41" | 21" | 26" | 32 |

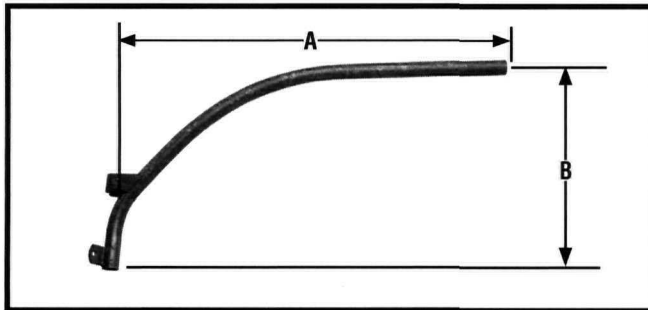
Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | D | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|-----|----------|
| ◆ D125S080 | 1-1/4" | 8' | 90" | 30" | 15" | 22" | 32 |
| ◆ D125S100 | 1-1/4" | 10' | 114" | 35" | 18" | 24" | 36 |
| ◆ D125S120 | 1-1/4" | 12' | 138" | 41" | 21" | 26" | 43 |
| ◆ D125S140 | 1-1/4" | 14' | 162" | 47" | 24" | 28" | 50 |
| ◆ D200S080 | 2" | 8' | 90" | 30" | 15" | 22" | 42 |
| ◆ D200S100 | 2" | 10' | 114" | 35" | 18" | 24" | 51 |
| ◆ D200S120 | 2" | 12' | 138" | 41" | 21" | 26" | 59 |
| ◆ D200S140 | 2" | 14' | 162" | 47" | 24" | 28" | 66 |
| ◆ D200S160 | 2" | 16' | 186" | 52" | 27" | 32" | 78 |

◆ Indicates stock item (in limited quantity).

"U" Series - Continuous Upsweep Brackets

Wood Pole Mounting



• Mounting hardware not included

Aluminum

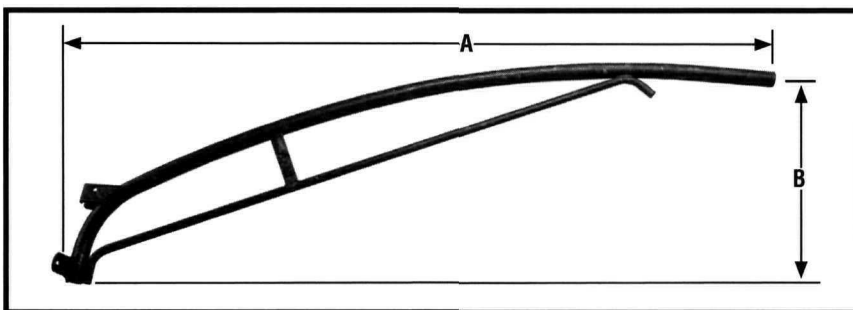
| Catalog Number | Pipe Size | Nom. Length | A | B | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|----------|
| U125A040 | 1-1/4" | 4' | 43" | 22" | 5 |
| ◆ U200A040 | 2" | 4' | 43" | 22" | 8 |
| ◆ U200A060 | 2" | 6' | 66" | 30" | 10 |

Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|----------|
| ◆ U125S040 | 1-1/4" | 4' | 43" | 22" | 13 |
| ◆ U125S060 | 1-1/4" | 6' | 66" | 30" | 18 |
| ◆ U200S040 | 2" | 4' | 43" | 22" | 22 |
| ◆ U200S060 | 2" | 6' | 66" | 30" | 32 |
| ◆ U200S080 | 2" | 8' | 90" | 30" | 40 |

"U" Series-Continuous Upsweep Bracket W/Underbrace

Wood Pole Mounting



• Mounting hardware not included

Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|----------|
| U125A060U | 1-1/4" | 6' | 66" | 30" | 9 |
| ◆ U200A060U | 2" | 6' | 66" | 30" | 12 |
| ◆ U200A080U | 2" | 8' | 90" | 30" | 15 |

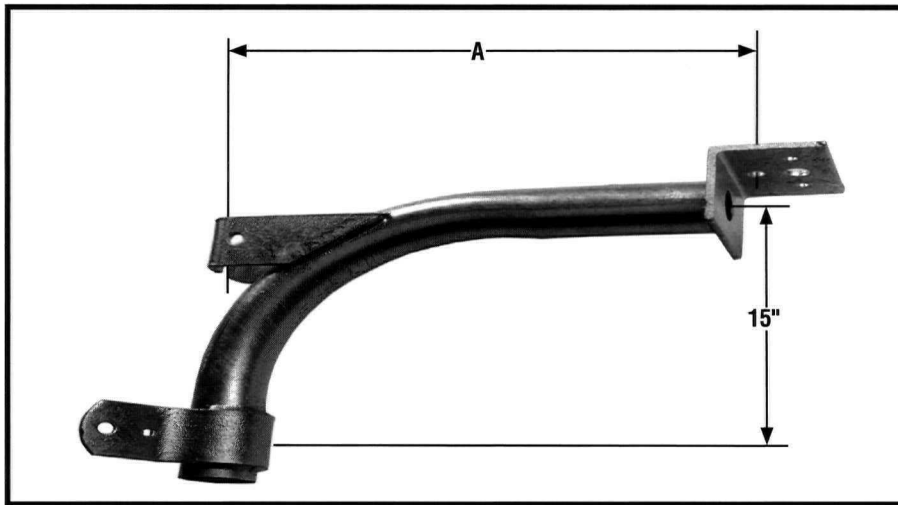
Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|----------|
| ◆ U125S060U | 1-1/4" | 6' | 66" | 30" | 26 |
| ◆ U125S080U | 1-1/4" | 8' | 90" | 30" | 30 |
| U200S060U | 2" | 6' | 66" | 30" | 37 |
| U200S080U | 2" | 8' | 90" | 30" | 45 |

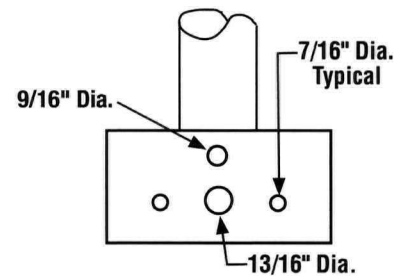
◆ Indicates stock item (in limited quantity).

"P" Series - Cross Arm Bracket

Wood Pole Mounting



- Fixture mounting hardware included
- Finish: Hot Dip Galvanized
- For primer, substitute "P" in place of "S"

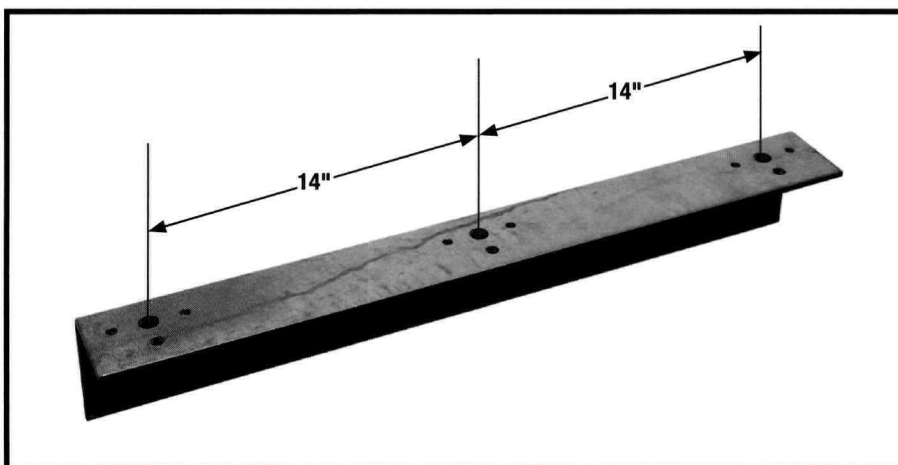


Steel

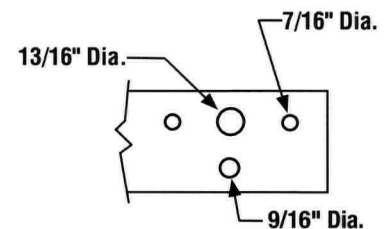
| Catalog Number | Pipe Size | Nom. Length | A | Wt./LBS. |
|----------------|-----------|-------------|-----|----------|
| ◆ P200S016C | 2" | 1'-6" | 18" | 14 |
| ◆ P200S026C | 2" | 2'-6" | 30" | 15 |
| P200S040C | 2" | 4' | 48" | 20 |

Twin Cross Arm Adapter Angle Bracket

Cross Arm Mounting



- Fixture mounting hardware included
- Wiring access optional
- Finish: Hot Dip Galvanized



Typical Layout

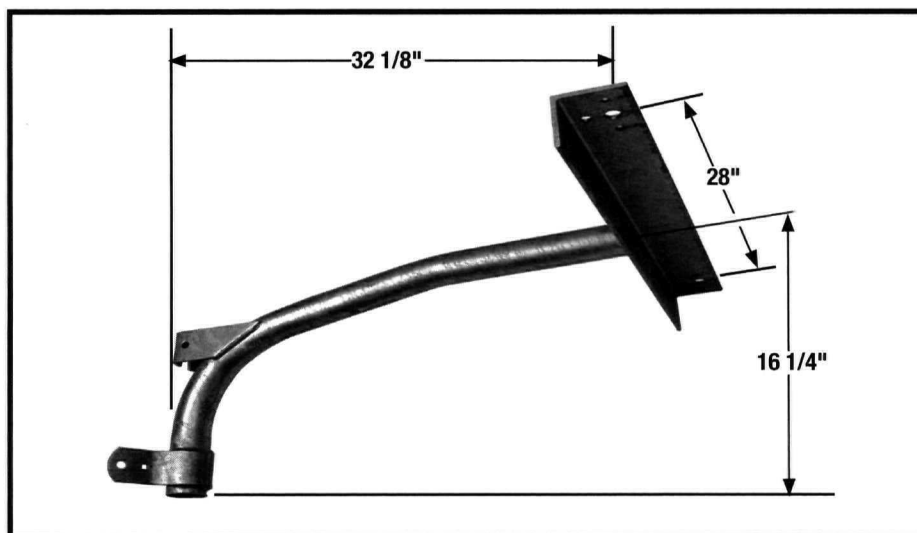
Steel

| Catalog Number | Wt./LBS. |
|----------------|----------|
| ◆ TCAA33 | 20 |

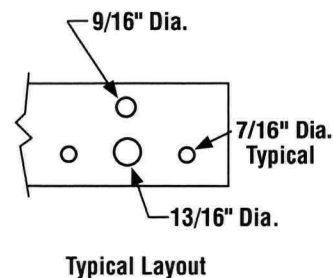
◆ Indicates stock item (in limited quantity).

"P" Series - Twin Cross Arm Bracket

Wood Pole Mounting



- Fixture mounting hardware included
- Finish: Hot Dip Galvanized
- For primer, substitute "P" in place of "S"

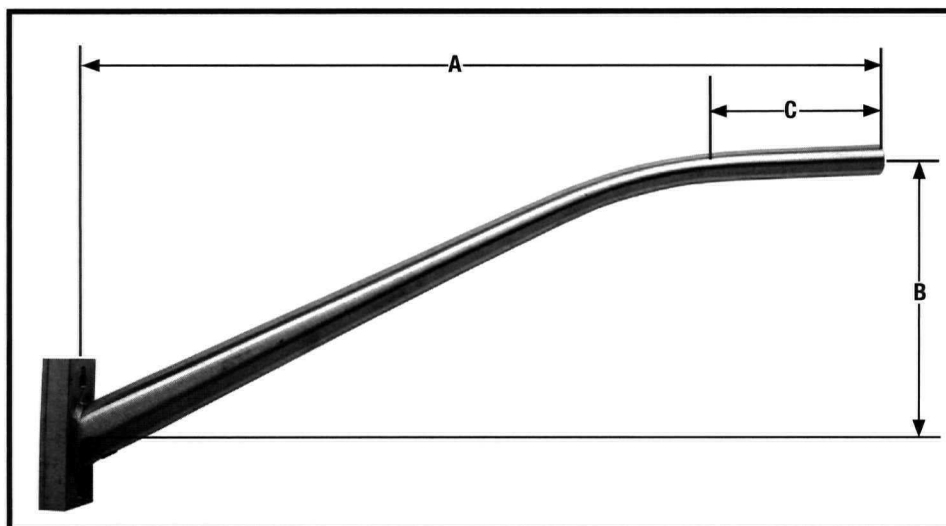


Steel

| Catalog Number | Pipe Size | Nom. Length | Wt./LBS. |
|----------------|-----------|-------------|----------|
| ◆ P200S026T | 2" | 30" | 31 |

"B" Series - Tapered Elliptical Bracket

Wood Pole Mounting



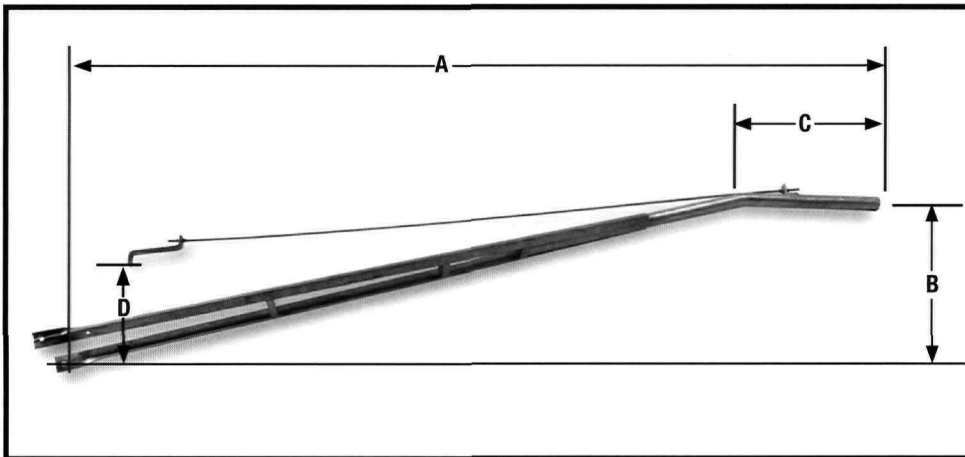
- Mounting hardware not included
- Wiring access optional
- Consult manufacturer for mounting hole spacing

Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|------|---------|--------|----------|
| B200A020-4.0 | 2" | 2'-6" | 24" | 12" | 10" | 9 |
| ◆ B200A040-3.0 | 2" | 4' | 48" | 20 1/4" | 8 3/4" | 10 |
| ◆ B200A060-3.5 | 2" | 6' | 72" | 30 7/8" | 10" | 17 |
| ◆ B200A080-4.0 | 2" | 8' | 96" | 44 7/8" | 9" | 19 |
| ◆ B200A100-4.0 | 2" | 10' | 120" | 51 1/8" | 12" | 21 |

"A" Series - A-Frame Bracket 8' - 12'

Wood Pole Mounting



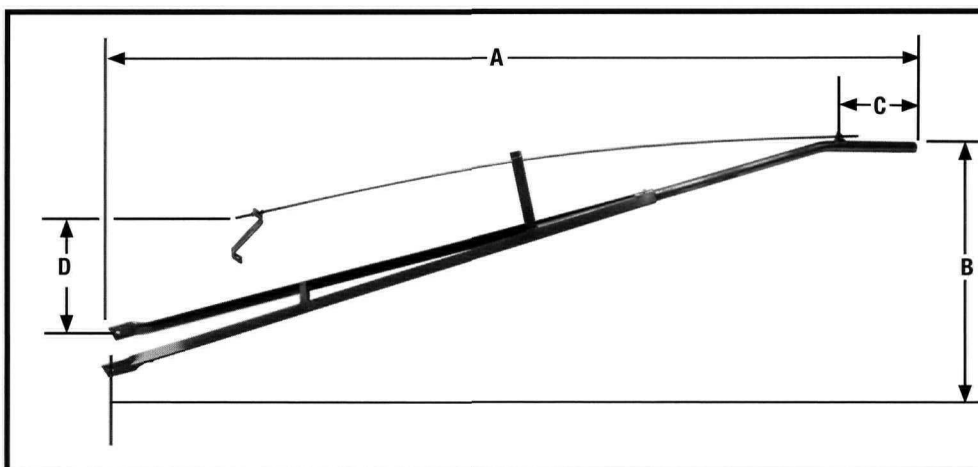
- Guy rod hardware shipped in bags
- Brackets shipped unassembled
- Mounting hardware not included
- Finish: Hot Dip Galvanized
- Advise Pole Diameter

Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | D | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|-----|----------|
| A125S080 | 1-1/4" | 8' | 90" | 30" | 11" | 28" | 34 |
| A125S100 | 1-1/4" | 10' | 114" | 35" | 14" | 28" | 42 |
| A125S120 | 1-1/4" | 12' | 138" | 43" | 17" | 28" | 49 |
| A200S080 | 2" | 8' | 90" | 30" | 11" | 28" | 39 |
| A200S100 | 2" | 10' | 114" | 35" | 14" | 28" | 48 |
| A200S120 | 2" | 12' | 138" | 43" | 17" | 28" | 56 |

"A" Series - A-Frame Bracket 14' - 20'

Wood Pole Mounting



- Guy rod hardware shipped in bags
- Brackets shipped unassembled
- Mounting hardware not included
- Finish: Hot Dip Galvanized
- Advise Pole Diameter

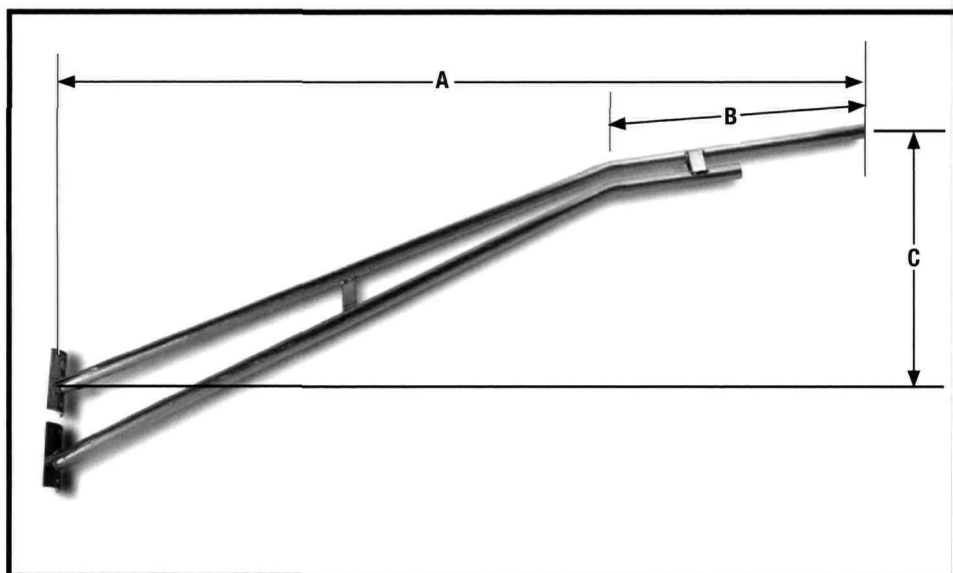
Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | D | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|-----|----------|
| A125S140 | 1-1/4" | 14' | 162" | 50" | 20" | 28" | 64 |
| A125S160 | 1-1/4" | 16' | 186" | 56" | 23" | 28" | 70 |
| A200S140 | 2" | 14' | 162" | 50" | 20" | 28" | 72 |
| A200S160 | 2" | 16' | 186" | 56" | 23" | 28" | 80 |
| A200S180* | 2" | 18' | 210" | 66" | 26" | 24" | 88 |
| A200S200* | 2" | 20' | 234" | 73" | 29" | 21" | 96 |

* Also available with 1-1/4" slipfit end

Truss Brackets

Wood Pole Mounting



- Wood pole mounting
- Mounting hardware not included

Aluminum

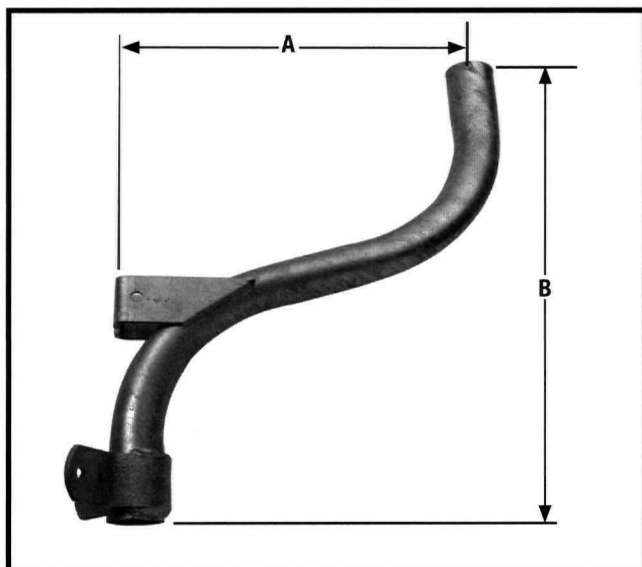
| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|----------|
| C200A060X | 2" | 6' | 72" | 36" | 13" | 20 |
| C200A080X | 2" | 8' | 96" | 36" | 21" | 25 |
| C200A100X | 2" | 10' | 120" | 36" | 28" | 30 |
| C200A120X | 2" | 12' | 144" | 36" | 36" | 35 |
| C200A140X | 2" | 14' | 168" | 36" | 44" | 40 |
| C200A150X | 2" | 15' | 180" | 36" | 48" | 45 |

Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|------|-----|-----|----------|
| C200S060X | 2" | 6' | 72" | 36" | 13" | 58 |
| C200S080X | 2" | 8' | 96" | 36" | 21" | 72 |
| C200S100X | 2" | 10' | 120" | 36" | 28" | 85 |
| C200S120X | 2" | 12' | 144" | 36" | 36" | 99 |
| C200S140X | 2" | 14' | 168" | 36" | 44" | 112 |
| C200S150X | 2" | 15' | 180" | 36" | 48" | 122 |
| C200S160X | 2" | 16' | 186" | 36" | 52" | 171 |
| C200S180X | 2" | 18' | 210" | 36" | 60" | 188 |
| C200S200X | 2" | 20' | 234" | 36" | 68" | 205 |

Single Floodlight Bracket

Wood Pole Mounting



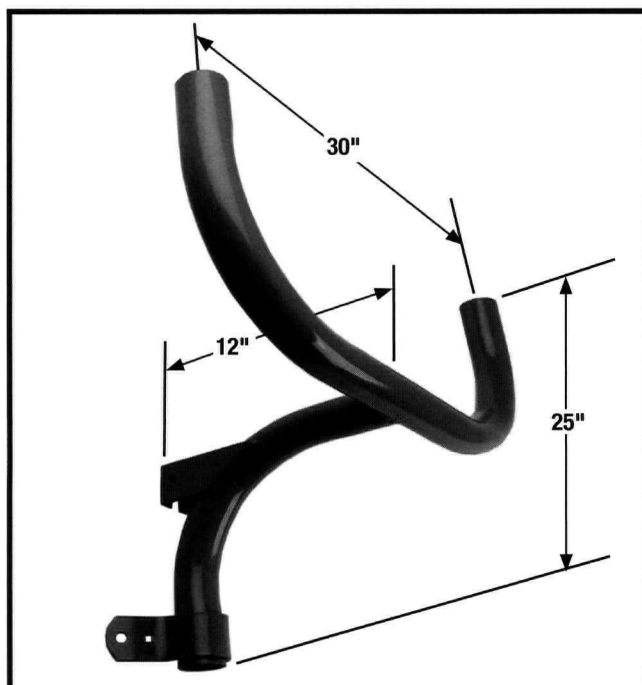
- Mounting hardware not included
- Finish: Primer or Hot Dip Galvanized

Steel

| Catalog Number | Pipe Size | A | B | Wt./LBS. |
|----------------|-----------|-----|-----|----------|
| ◆ SF-18G | 2" | 18" | 23" | 15 |
| ◆ SF-07P | 2" | 7" | 20" | 11 |
| ◆ SF-07G | 2" | 7" | 20" | 12 |

Double Floodlight Bracket

Wood Pole Mounting



- Mounting hardware not included
- Finish: Primer or Hot Dip Galvanized

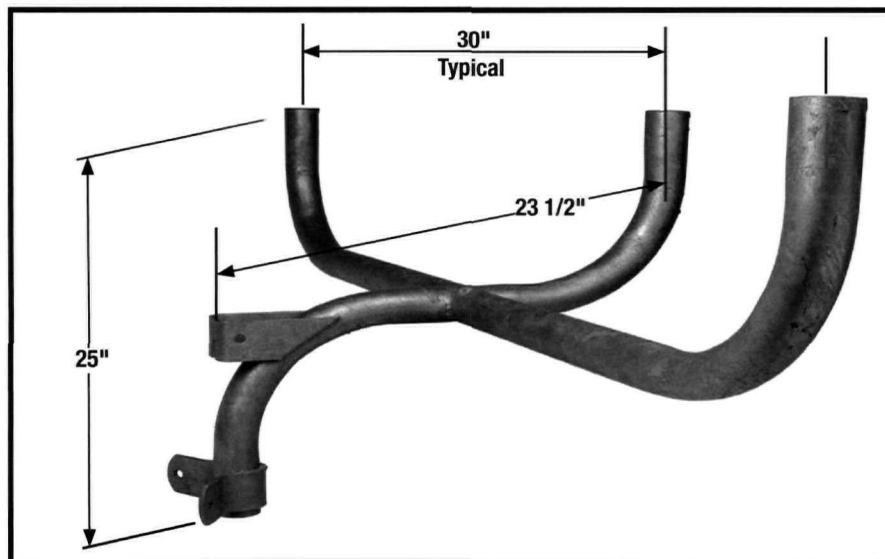
Steel

| Catalog Number | Pipe Size | WT./LBS. |
|----------------|-----------|----------|
| ◆ DF-30P | 2" | 25 |
| ◆ DF-30G | 2" | 27 |

◆ Indicates stock item (in limited quantity).

Triple Floodlight Bracket

Wood Pole Mounting



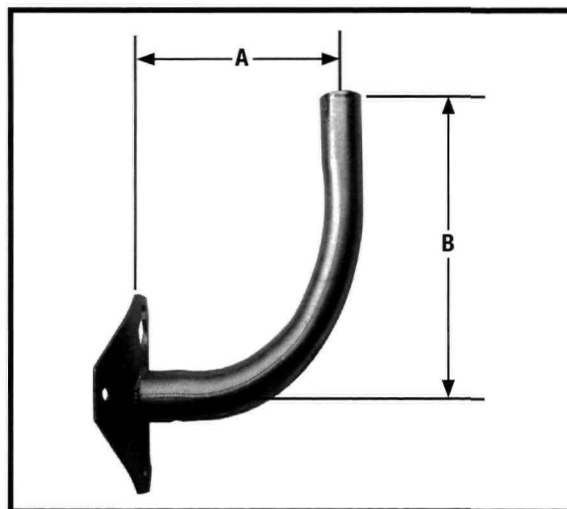
- Mounting hardware not included
- Finish: Hot Dip Galvanized
- For Primer, substitute "P" in place of "G"

Steel

| Catalog Number | Pipe Size | Wt./LBS. |
|----------------|-----------|----------|
| ◆ TF-30G | 2" | 43 |

Right Angle Bracket

Wood Pole Mounting



- Mounting hardware not included
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"

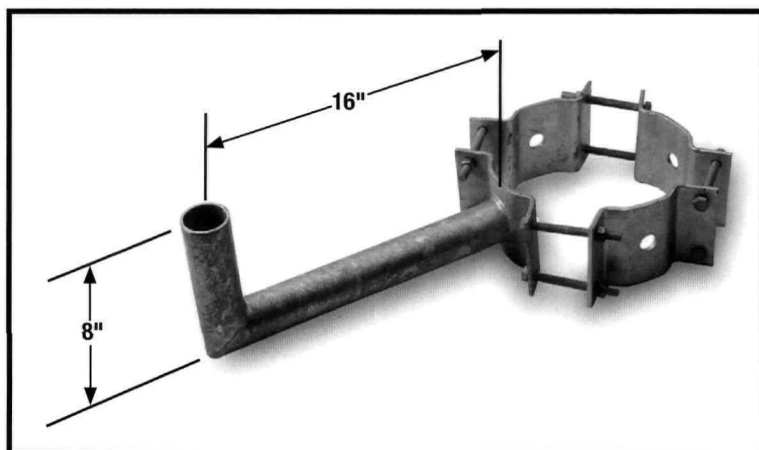
Steel

| Catalog Number | Pipe Size | A | B | WT./LBS. |
|----------------|-----------|--------|-----|----------|
| ◆ RAB-WM-P | 2" | 12" | 13" | 12 |
| RABH-WM-P | 2" | 8-1/2" | 8" | 11 |
| RABH14-WH-P | 2" | 14" | 8" | 12 |

◆ Indicates stock item (in limited quantity).

Wrap Around Bracket - One Arm

Wood Pole Mounting



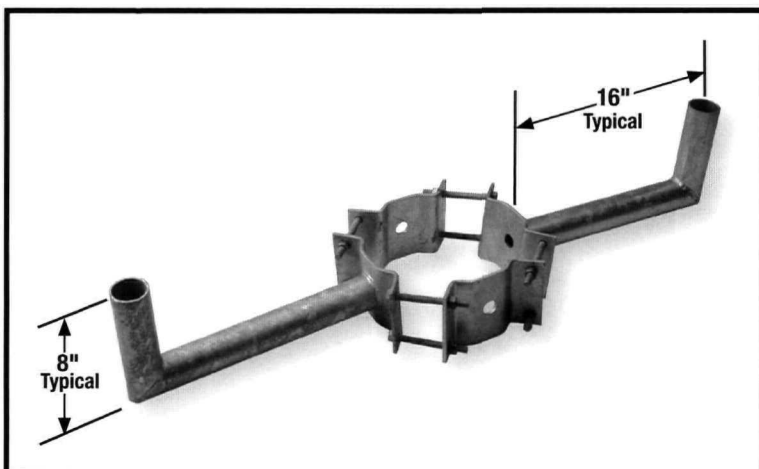
- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"

Steel

| Catalog Number | Pole Diameter | Pipe Size | Wt./LBS. |
|----------------|---------------|-----------|----------|
| ◆ W1-P-7-10 | 7"-10" | 2" | 21 |
| ◆ W1-P-10-13 | 10"-13" | 2" | 21 |

Wrap Around Bracket - Two Arm

Wood Pole Mounting



- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"

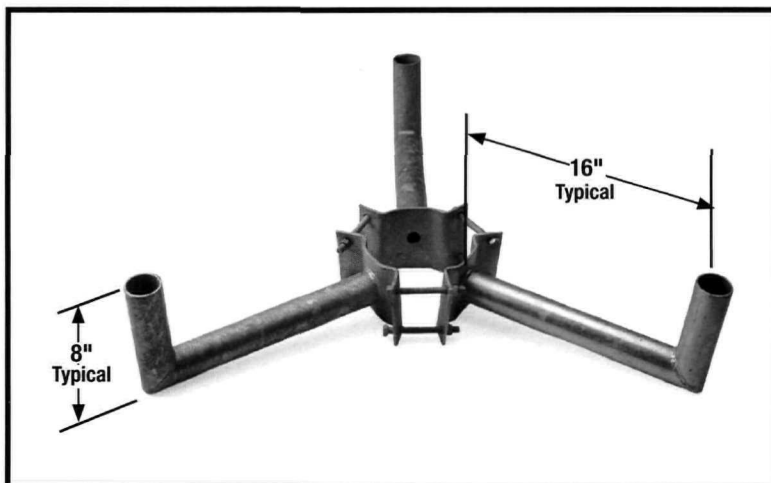
Steel

| Catalog Number | Pole Diameter | Pipe Size | Wt./LBS. |
|----------------|---------------|-----------|----------|
| ◆ W2-P-7-10 | 7"-10" | 2" | 28 |
| ◆ W2-P-10-13 | 10"-13" | 2" | 28 |

◆ Indicates stock item (in limited quantity).

Wrap Around Bracket - Three Arm

Wood Pole Mounting



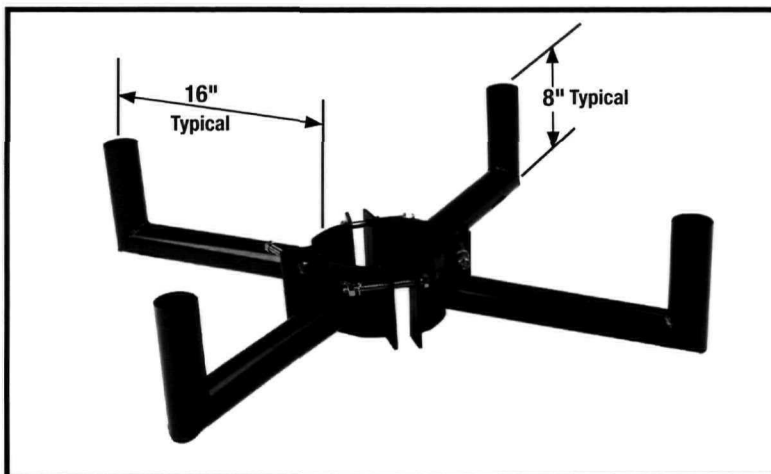
- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- Advise if arm orientation to be at 90°

Steel

| Catalog Number | Pole Diameter | Pipe Size | Wt./LBS. |
|----------------|---------------|-----------|----------|
| ◆ W3-P-7-10 | 7"-10" | 2" | 32 |
| ◆ W3-P-10-13 | 10"-13" | 2" | 35 |

Wrap Around Bracket - Four Arm

Wood Pole Mounting



- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"

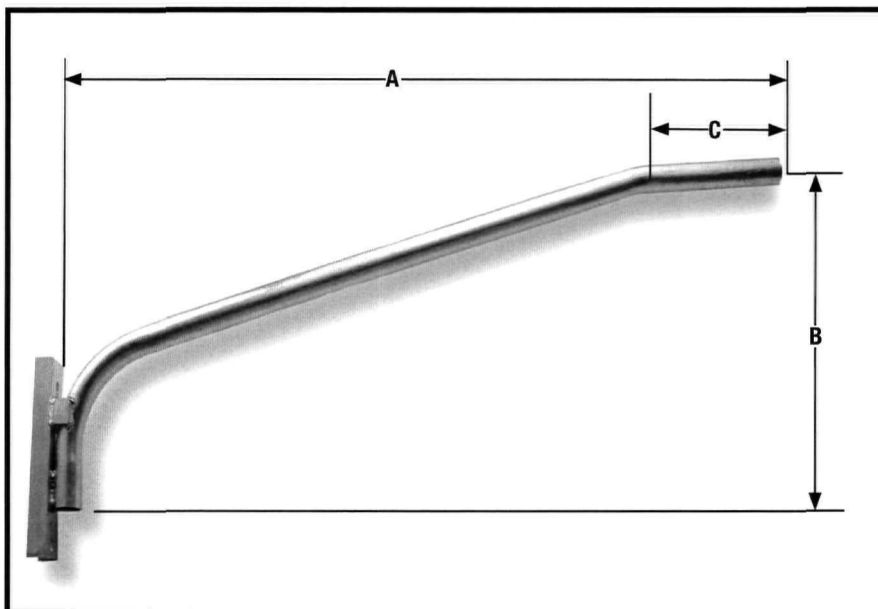
Steel

| Catalog Number | Pole Diameter | Pipe Size | Wt./LBS. |
|----------------|---------------|-----------|----------|
| ◆ W4-P-7-10 | 7"-10" | 2" | 43 |
| ◆ W4-P-10-13 | 10"-13" | 2" | 43 |

◆ Indicates stock item (in limited quantity).

"P" Series - Cantilever Style Bracket w/ Universal Base

Concrete & Steel Pole Mounting



- Round poles
- Square poles 4" and larger
- Octagonal poles having minimum 4" flat
- Mounting hardware not included

Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|-----|----------|
| P125A040B | 1-1/4" | 4' | 42" | 18" | 10" | 6 |
| P200A040B | 2" | 4' | 42" | 18" | 10" | 8 |
| ◆ P200A060B | 2" | 6' | 66" | 24" | 12" | 11 |
| P200A080B | 2" | 8' | 90" | 30" | 15" | 14 |

Steel

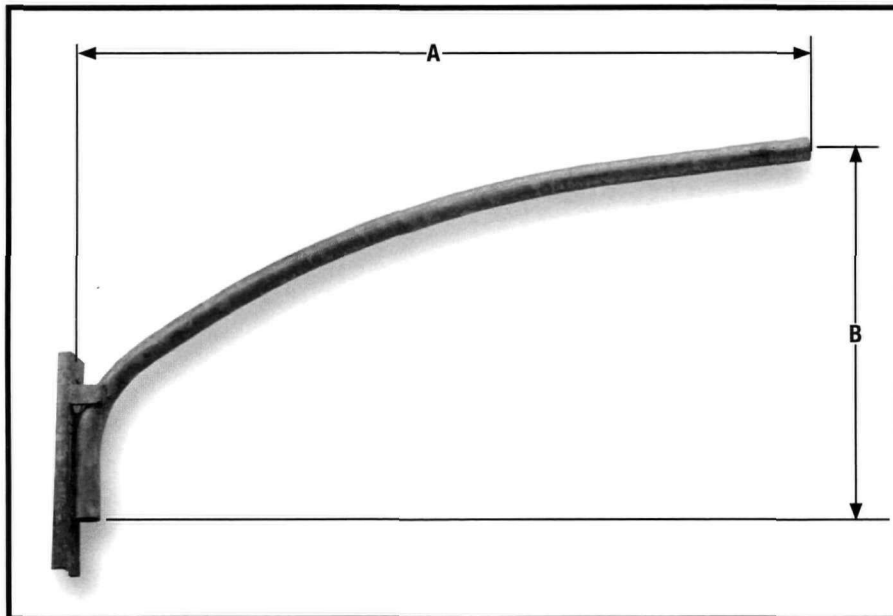
| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|-----|-----|-----|----------|
| P125S040B | 1-1/4" | 4' | 42" | 18" | 10" | 13 |
| P125S060B | 1-1/4" | 6' | 66" | 24" | 12" | 17 |
| P200S040B | 2" | 4' | 42" | 18" | 10" | 18 |
| P200S060B | 2" | 6' | 66" | 24" | 12" | 24 |
| P200S080B* | 2" | 8' | 90" | 30" | 15" | 30 |

* Also available with 1-1/4" slipfit end

◆ Indicates stock item (in limited quantity).

"U" Series - Continuous Upsweep Bracket w/ Universal Base

Concrete & Steel Pole Mounting



- Round poles
- Square poles 4" and larger
- Octagonal poles having minimum 4" flat
- Finish: Hot Dip Galvanized
- Mounting hardware not included

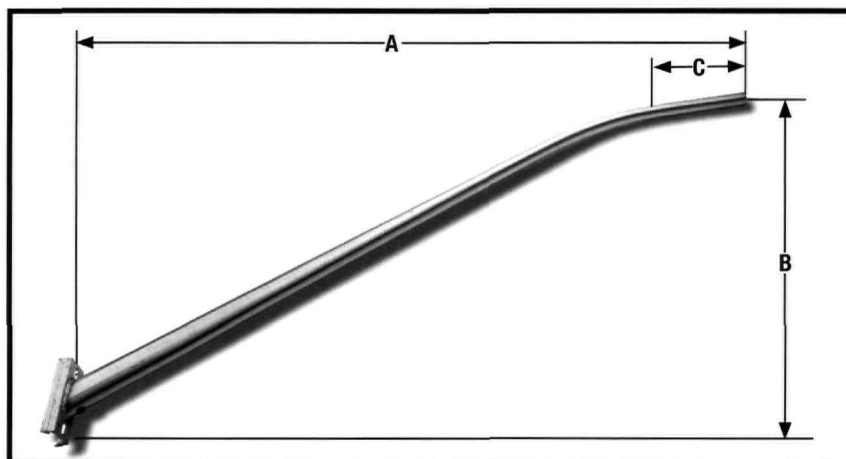
Steel

| Catalog Number | Pipe Size | Nominal Length | A | B | Wt./LBS. |
|----------------|-----------|----------------|-----|-----|----------|
| ◆ U125S040B | 1 1/4" | 4' | 43" | 22" | 16 |
| ◆ U200S060B | 2" | 6' | 66" | 30" | 29 |
| U200S080B | 2" | 8' | 90" | 30" | 36 |

◆ Indicates stock item (in limited quantity).

"B" Series - Tapered Elliptical Bracket

**Concrete & Steel Pole Mounting
For Round Poles**



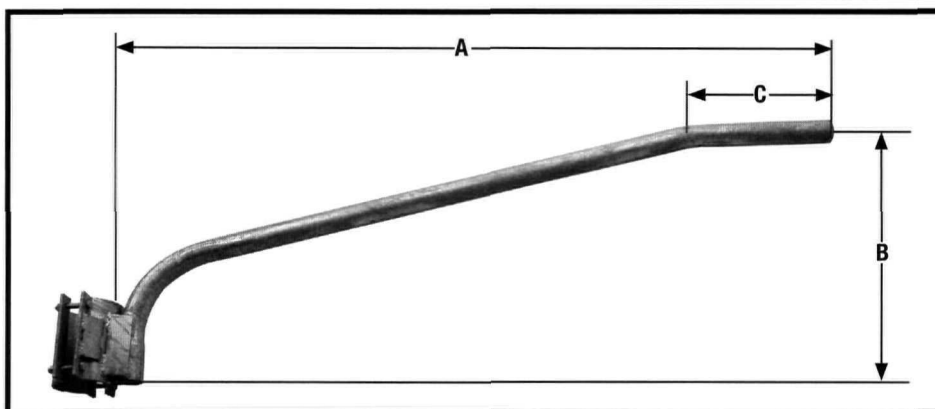
- Mounting hardware not included
- Wiring access optional
- Consult manufacturer for mounting holes spacing

Aluminum

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt./LBS. |
|----------------|-----------|-------------|------|---------|--------|----------|
| B200A020-4.0 | 2" | 2'-6" | 24" | 12" | 10" | 9 |
| ◆ B200A040-3.0 | 2" | 4' | 48" | 20 1/4" | 8 3/4" | 10 |
| ◆ B200A060-3.5 | 2" | 6' | 72" | 30 7/8" | 10" | 17 |
| ◆ B200A080-4.0 | 2" | 8' | 96" | 44 7/8" | 9" | 19 |
| ◆ B200A100-4.0 | 2" | 10' | 120" | 51 1/8" | 12" | 21 |

"E" Series - Cantilever Style Bracket

**Concrete & Steel Pole Mounting
For Round Poles**



- Mounting hardware included
- Indicate pole diameter when ordering
- Finish: Hot Dip Galvanized
- Also available: square and octagonal pole mounting

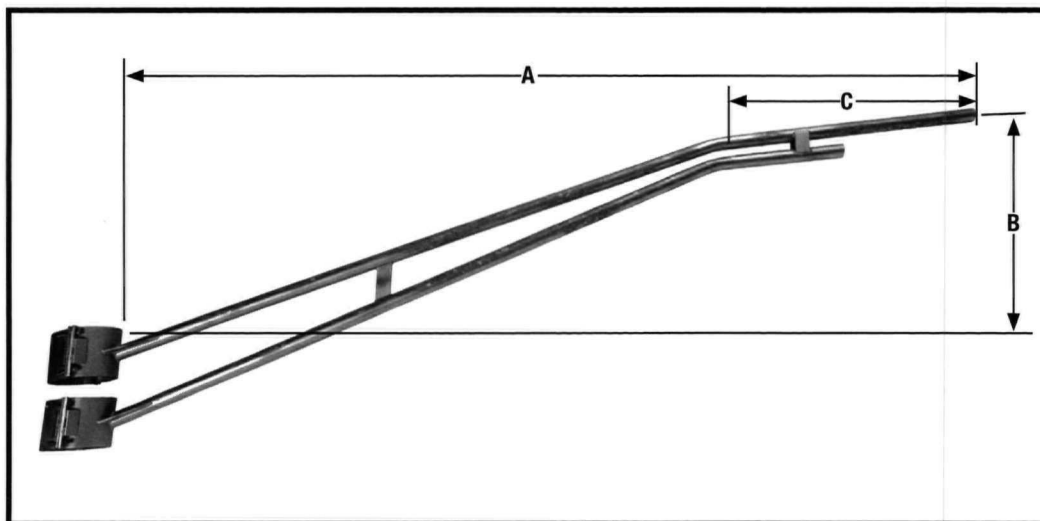
Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C |
|----------------|-----------|-------------|-----|-----|-----|
| E125S026NX | 1-1/4" | 2'-6" | 30" | 15" | 10" |
| E125S040NX | 1-1/4" | 4' | 42" | 19" | 10" |
| E125S060NX | 1-1/4" | 6' | 66" | 24" | 12" |
| E200S026NX | 2" | 2'-6" | 30" | 15" | 10" |
| E200S040NX | 2" | 4' | 42" | 19" | 10" |
| E200S060NX | 2" | 6' | 66" | 24" | 12" |
| E200S080NX | 2" | 8' | 90" | 30" | 15" |

◆ Indicates stock item (in limited quantity).

Truss Bracket

Concrete & Steel Pole Mounting



- Indicate pole size & mounting style when ordering
- Octagonal pole mounting also available

Aluminum

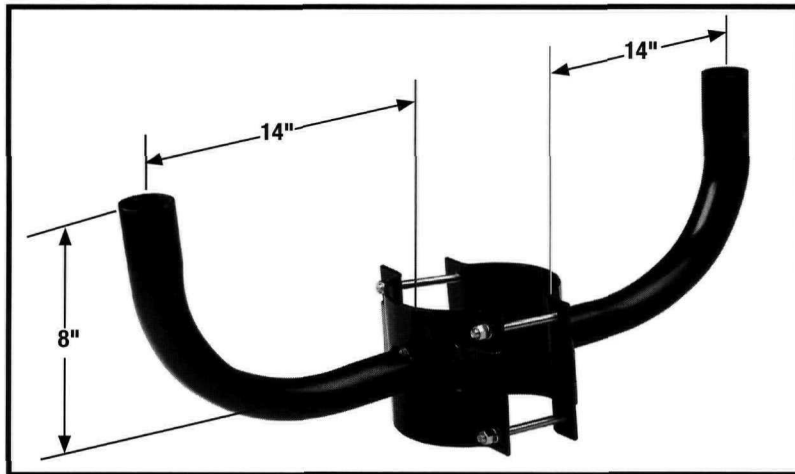
| Catalog Number | Pipe Size | Nom. Length | A | B | C | WT/LBS |
|----------------|-----------|-------------|------|-----|-----|--------|
| C200A060NX | 2" | 6' | 72" | 13" | 36" | 20 |
| C200A080NX | 2" | 8' | 96" | 21" | 36" | 25 |
| C200A100NX | 2" | 10' | 120" | 28" | 36" | 30 |
| C200A120NX | 2" | 12' | 144" | 36" | 36" | 35 |
| C200A140NX | 2" | 14' | 168" | 44" | 36" | 40 |
| C200A150NX | 2" | 15' | 180" | 48" | 36" | 45 |

Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | WT/LBS |
|----------------|-----------|-------------|------|-----|-----|--------|
| C200S060NX | 2" | 6' | 72" | 13" | 36" | 58 |
| C200S080NX | 2" | 8' | 96" | 21" | 36" | 72 |
| C200S100NX | 2" | 10' | 120" | 28" | 36" | 85 |
| C200S120NX | 2" | 12' | 144" | 36" | 36" | 99 |
| C200S140NX | 2" | 14' | 168" | 44" | 36" | 112 |
| C200S150NX | 2" | 15' | 180" | 48" | 36" | 122 |
| C200S160NX | 2" | 16' | 186" | 52" | 36" | 171 |
| C200S180NX | 2" | 18' | 210" | 60" | 36" | 188 |
| C200S200NX | 2" | 20' | 244" | 68" | 36" | 205 |

Right Angle Wrap Bracket for Round Poles

Concrete & Steel Pole Mounting



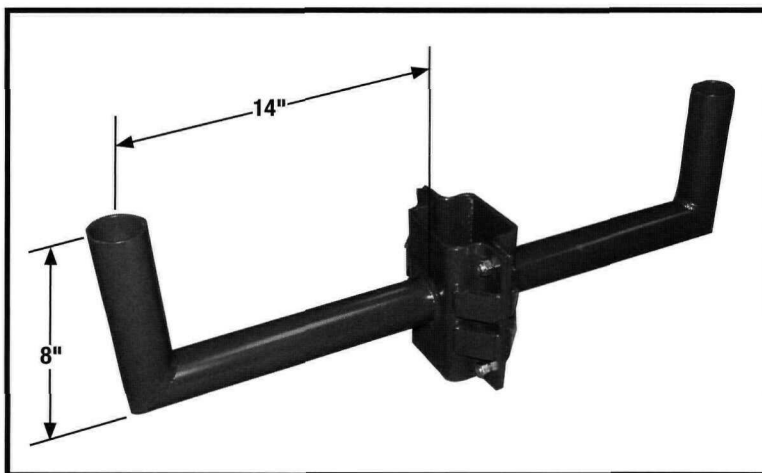
- Indicate pole size when ordering
- Fixture mounting hardware included
- For hot dip galvanized, substitute "G" in place of "P"
- For dark bronze, substitute "DB" in place of "P"
- Single arm & 18" arms are also available
- Wrap brackets for octagonal poles are also available

Steel

| Catalog Number | Arm | Pipe Size | Horizontal | Vertical |
|----------------|--------|-----------|------------|----------|
| RAB-14-RNDB | Single | 2" | 14" | 8" |
| RAB-14-RNDB2 | Double | 2" | 14" | 8" |

Right Angle Wrap Bracket for Square Poles

Concrete & Steel Pole Mounting



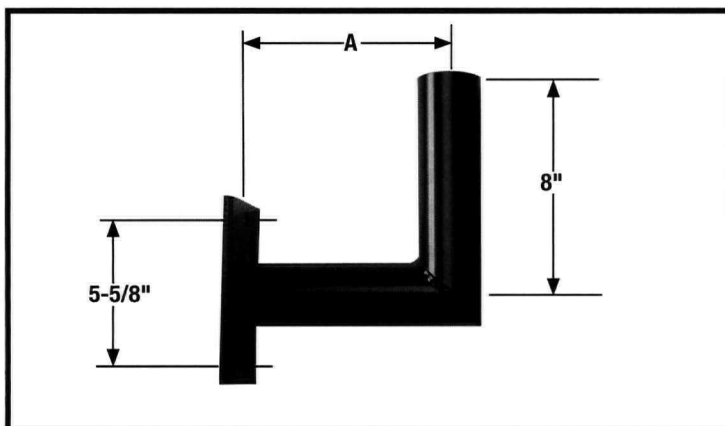
- Indicate pole size when ordering
- Fixture mounting hardware included
- Specify finish: "G" for Hot Dip galvanized, "P" for primer, "DB" for dark bronze
- Single arm & 18" arms are also available
- Wrap brackets for octagonal poles are also available

Steel

| Catalog Number | Arm | Pipe Size | Horizontal | Vertical |
|----------------|--------|-----------|------------|----------|
| RABH-14-SNDB | Single | 2" | 14" | 8" |
| RABH-14-SNDB2 | Double | 2" | 14" | 8" |

Heavy Right Angle Bracket

Square Pole Mounting



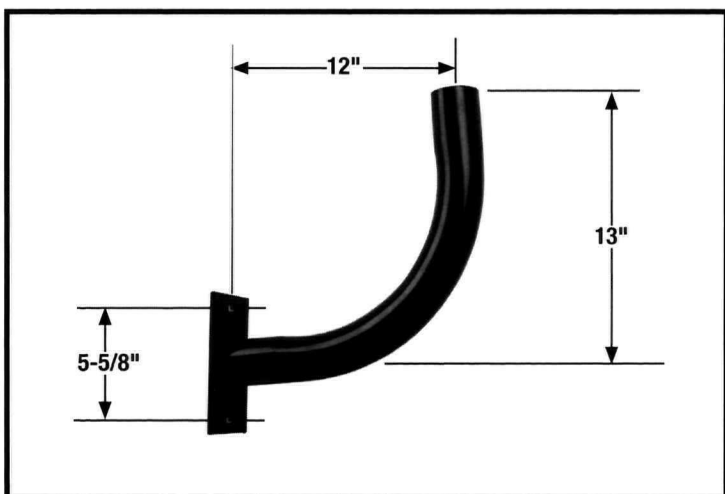
- Minimum 4" square pole
- 9/16" diameter mounting holes
- Mounting hardware not included
- Finish: Primer
- For hot dip galvanized, substitute "G" in place of "P"
- For dark bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pipe Size | Horizontal | WT/LBS |
|----------------|-----------|------------|--------|
| RABHX-P | 2" | 8-1/2" | 8 |
| RABHX-14-P | 2" | 14" | 1 |

Right Angle Bracket

Square Pole Mounting



- Minimum 4" square pole
- 9/16" diameter mounting poles
- Mounting hardware not included
- Finish: Primer
- For hot dip galvanized, substitute "G" in place of "P"
- For dark bronze, substitute "DB" in place of "P"

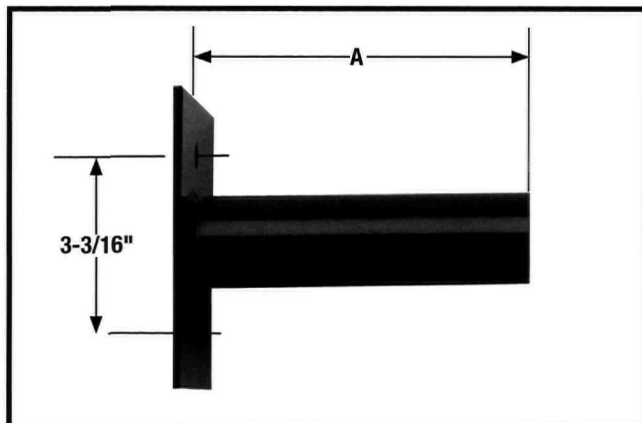
Steel

| Catalog Number | Pipe Size | WT/LBS |
|----------------|-----------|--------|
| ◆ RABX-P | 2" | 7 |

◆ Indicates stock item (in limited quantity).

Side Tenon Bracket

Square Pole Mounting



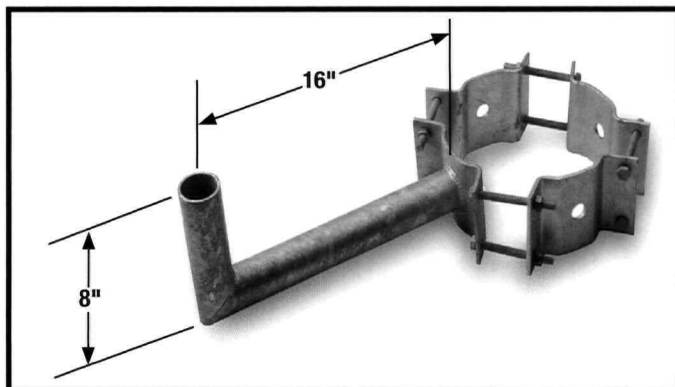
- Minimum 4" square pole
- 9/16" diameter mounting holes
- 4" x 5-1/4" mounting plate
- Mounting hardware not included
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pipe Size | A | WT/LBS |
|----------------|-----------|--------|--------|
| ST-1-6P | 1-1/4" | 6-1/2" | 4 |
| ST-1-8P | 1-1/4" | 8" | 4 |
| ST-2-6P | 2" | 6-1/2" | 4 |
| ST-2-8P | 2" | 8" | 4 |

Wrap Around Bracket - One Arm

Concrete & Steel Pole Mounting For Round Poles



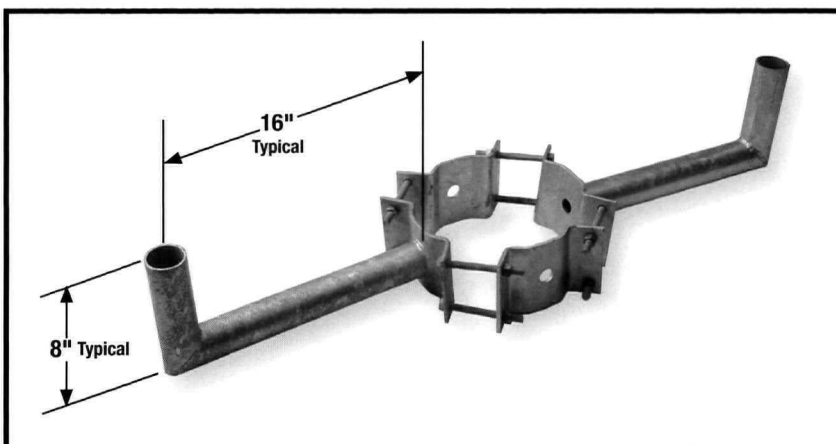
- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"

Steel

| Catalog Number | Pole Diameter | WT/LBS |
|----------------|---------------|--------|
| ◆ W1-P-7-10 | 7" - 10" | 21 |
| ◆ W1-P-10-13 | 10" - 13" | 21 |

Wrap Around Bracket - Two Arm

Concrete & Steel Pole Mounting For Round Poles



- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"

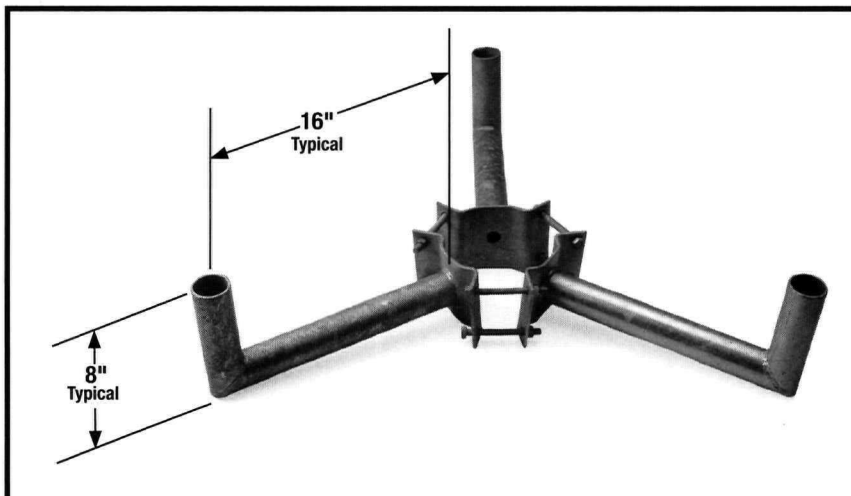
Steel

| Catalog Number | Pole Diameter | WT/LBS |
|----------------|---------------|--------|
| ◆ W2-P-7-10 | 7" - 10" | 28 |
| ◆ W2-P-10-13 | 10" - 13" | 28 |

◆ Indicates stock item (in limited quantity).

Wrap Around Bracket - Three Arm

Concrete & Steel Pole Mounting For Round Poles



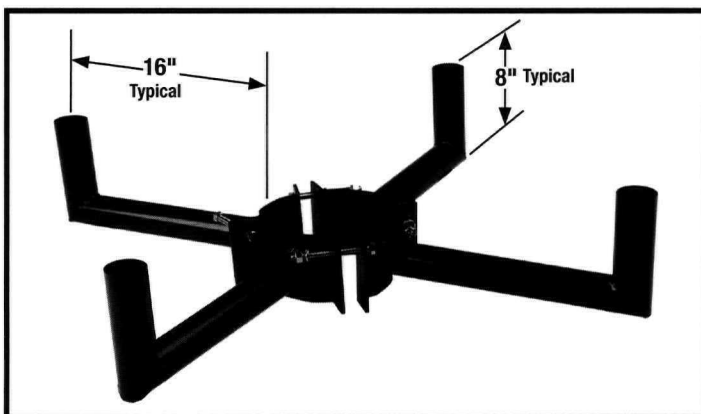
- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" place of "P"
- Advise factory if orientation to be at 90 degrees

Steel

| Catalog Number | Pole Diameter | WT/LBS |
|----------------|---------------|--------|
| ◆ W3-P-7-10 | 7" - 10" | 32 |
| ◆ W3-P-10-13 | 10" - 13" | 35 |

Wrap Around Bracket - Four Arm

Concrete & Steel Pole Mounting For Round Poles



- All brackets shipped complete with hardware
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"

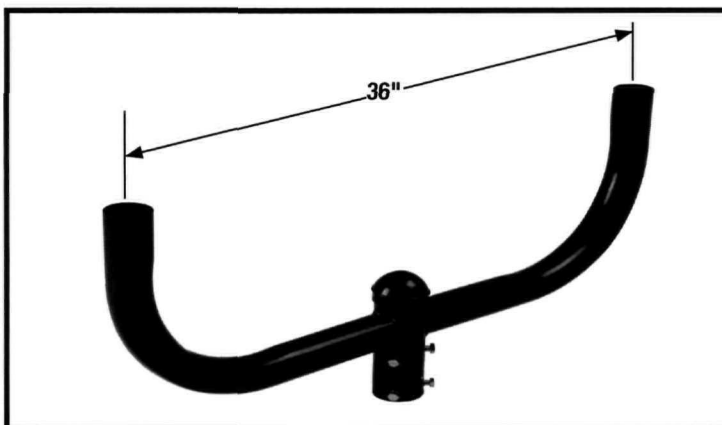
Steel

| Catalog Number | Pole Diameter | WT/LBS |
|----------------|---------------|--------|
| ◆ W4-P-7-10 | 7" - 10" | 43 |
| ◆ W4-P-10-13 | 10" - 13" | 43 |

◆ Indicates stock item (in limited quantity).

Bull Horn Bracket - Two Light

Pole Top Mounting



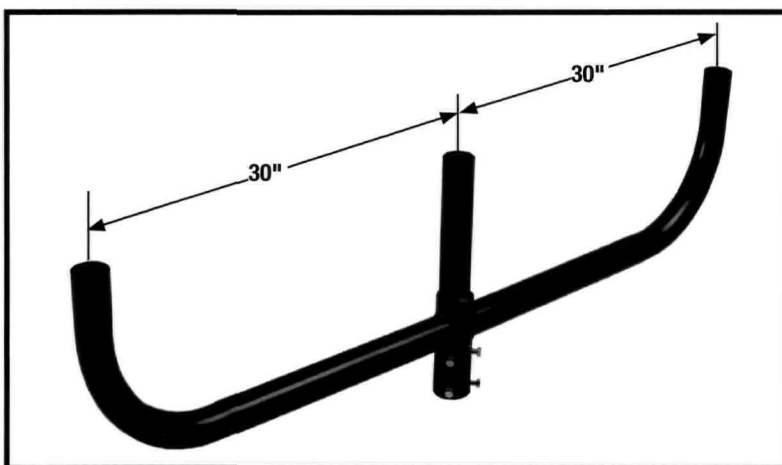
- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ S2-S36-2P | 2-3/8" | 20 |
| ◆ S2-S36-3P | 2-7/8" | 22 |
| ◆ S2-S36-4P | 4" | 25 |

Bull Horn Bracket - Three Light

Pole Top Mounting



- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For dark bronze, substitute "DB" in place of "P"

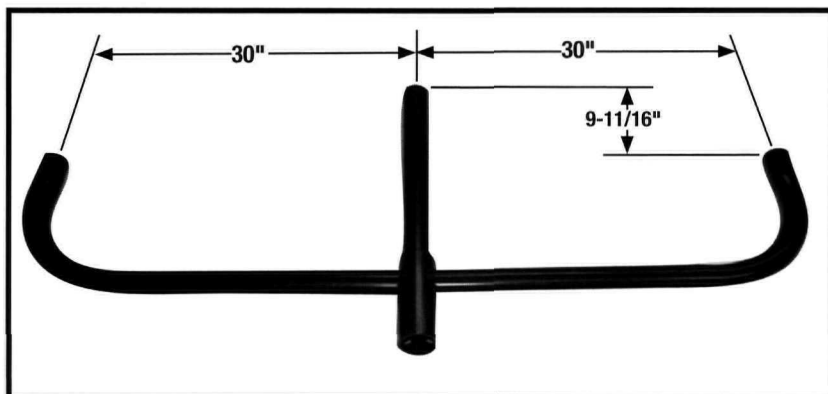
Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ S3-S30-2P | 2-3/8" | 31 |
| S3-S30-3P | 2-7/8" | 33 |
| ◆ S3-S30-4P | 4" | 37 |

◆ Indicates stock item (in limited quantity).

Bull Horn Bracket- Three Light w/Extended Center Tenon

Pole Top Mounting



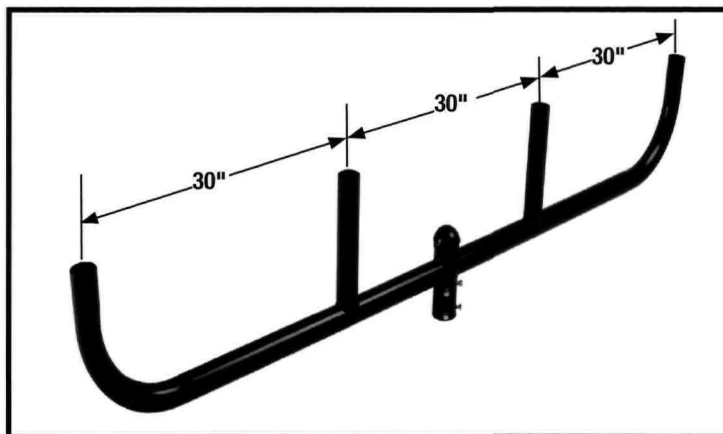
- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| S3-S30-2PX | 2-3/8" | 34 |
| S3-S30-3PX | 2-7/8" | 26 |
| S3-S30-4PX | 4" | 40 |

Bull Horn Bracket- Four Light

Pole Top Mounting



- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

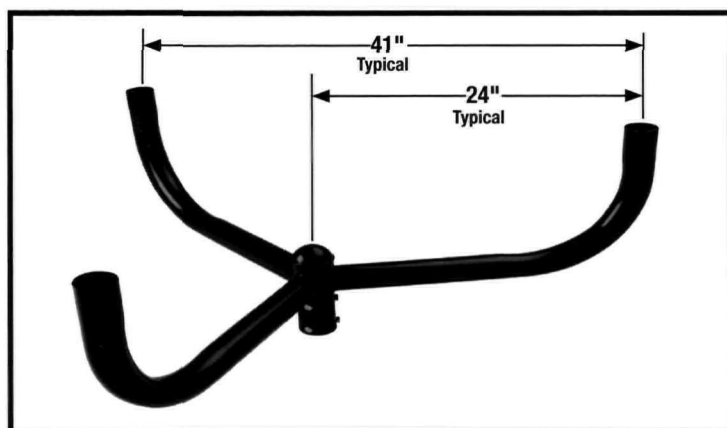
Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ S4-S30-2P | 2-3/8" | 44 |
| S4-S30-3P | 2-7/8" | 46 |
| S4-S30-4P | 4" | 55 |

◆ Indicates stock item (in limited quantity).

Bull Horn Bracket - Three Light

Pole Top Mounting



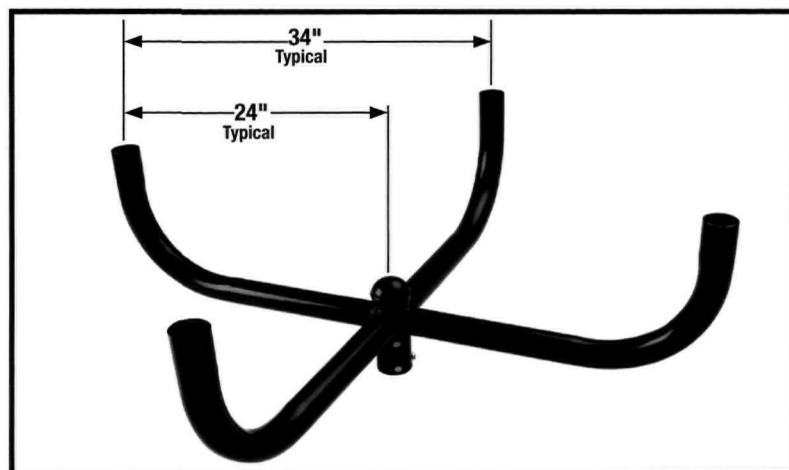
- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ S3-A24-2P | 2-3/8" | 33 |
| S3-A24-3P | 2-7/8" | 35 |
| S3-A24-4P | 4" | 39 |

Bull Horn Bracket - Four Light

Pole Top Mounting



- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For dark bronze, substitute "DB" in place of "P"

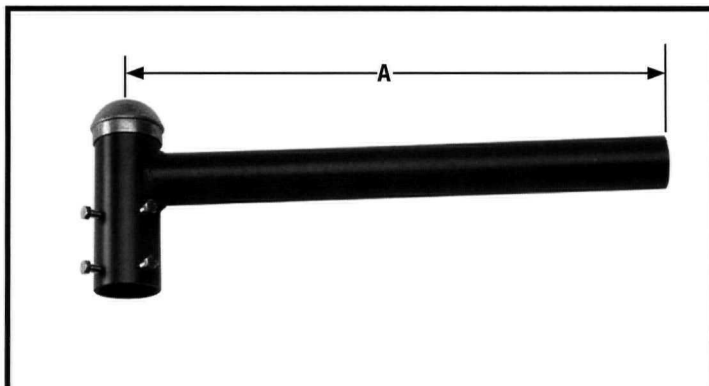
Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ S4-A24-2P | 2-3/8" | 43 |
| S4-A24-3P | 2-7/8" | 45 |
| S4-A24-4P | 4" | 47 |

◆ Indicates stock item (in limited quantity).

Spoke Bracket - One Arm

Pole Top Mounting



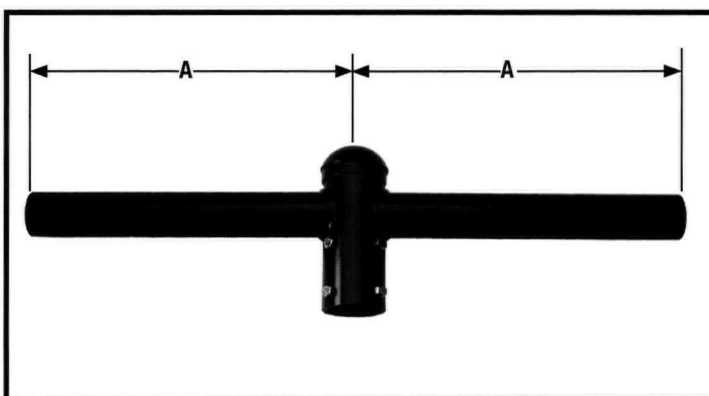
- Shipped with removable cap & mounting hardware assembled
- Catalog number shown to slipfit on 2-3/8" pole tenon
- Also available to slipfit 2-7/8" & 4" pole tenons
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | Wt/LBS |
|----------------|-----|--------|
| SB-100-08-2P | 8" | 6 |
| ◆ SB-100-12-2P | 12" | 7 |
| SB-100-15-2P | 15" | 8 |
| ◆ SB-100-24-2P | 24" | 11 |
| SB-100-30-2P | 30" | 13 |
| SB-100-36-2P | 36" | 15 |

Spoke Bracket - Two Arm @ 180°

Pole Top Mounting



- Shipped with removable cap & mounting hardware assembled
- Catalog number shown to slipfit on 2-3/8" pole tenon
- Also available to slipfit 2-7/8" & 4" pole tenons
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

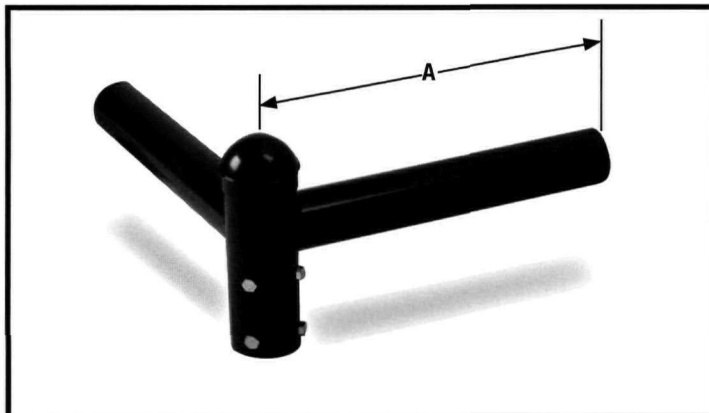
Steel

| Catalog Number | A | Wt/LBS |
|----------------|-----|--------|
| SB-218-08-2P | 8" | 9 |
| SB-218-12-2P | 12" | 11 |
| ◆ SB-218-15-2P | 15" | 13 |
| SB-218-24-2P | 24" | 18 |
| SB-218-30-2P | 30" | 22 |
| SB-218-36-2P | 36" | 26 |

◆ Indicates stock item (in limited quantity).

Spoke Bracket - Two Arm @ 90°

Pole Top Mounting



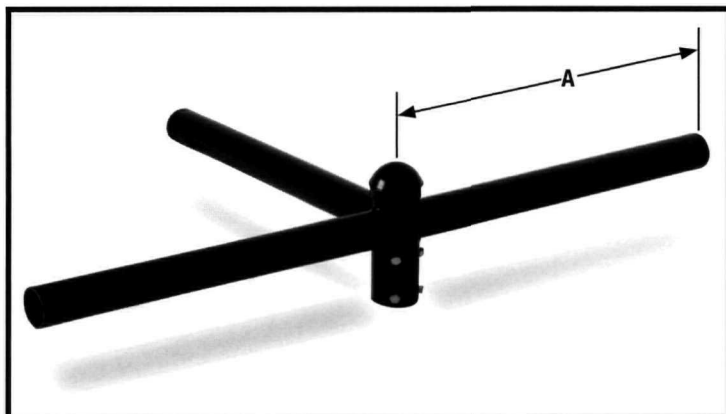
- Shipped with removable cap & mounting hardware assembled
- Catalog number shown to slipfit on 2-3/8" pole tenon
- Also available to slipfit 2-7/8" & 4" pole tenons
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | WT/LBS |
|----------------|-----|--------|
| SB-290-08-2P | 8" | 9 |
| SB-290-12-2P | 12" | 11 |
| SB-290-15-2P | 15" | 13 |
| SB-290-24-2P | 24" | 18 |
| SB-290-30-2P | 30" | 22 |
| SB-290-36-2P | 36" | 26 |

Spoke Bracket - Three Arm @ 90°

Pole Top Mounting



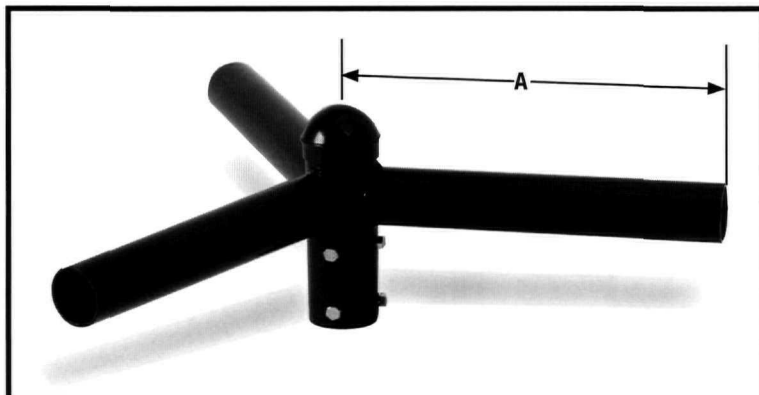
- Shipped with removable cap & mounting hardware assembled
- Catalog number shown to slipfit on 2-3/8" pole tenon
- Also available to slipfit 2-7/8" & 4" pole tenons
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | Wt/LBS |
|----------------|-----|--------|
| SB-390-08-2P | 8" | 11 |
| SB-390-12-2P | 12" | 15 |
| SB-390-15-2P | 15" | 17 |
| SB-390-24-2P | 24" | 25 |
| SB-390-30-2P | 30" | 30 |
| SB-390-36-2P | 36" | 36 |

Spoke Bracket - Three Arm @ 120°

Pole Top Mounting



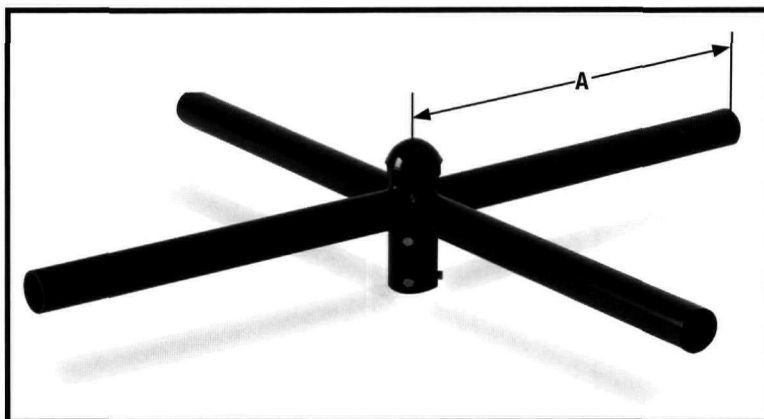
- Shipped with removable cap & mounting hardware assembled
- Catalog number shown to slipfit on 2-3/8" pole tenon
- Also available to slipfit 2-7/8" & 4" pole tenons
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | Wt/LBS |
|----------------|-----|--------|
| SB-312-08-2P | 8" | 11 |
| SB-312-12-2P | 12" | 15 |
| SB-312-15-2P | 15" | 17 |
| SB-312-24-2P | 24" | 25 |
| SB-312-30-2P | 30" | 30 |
| SB-312-36-2P | 36" | 36 |

Spoke Bracket - Four Arm @ 90°

Pole Top Mounting



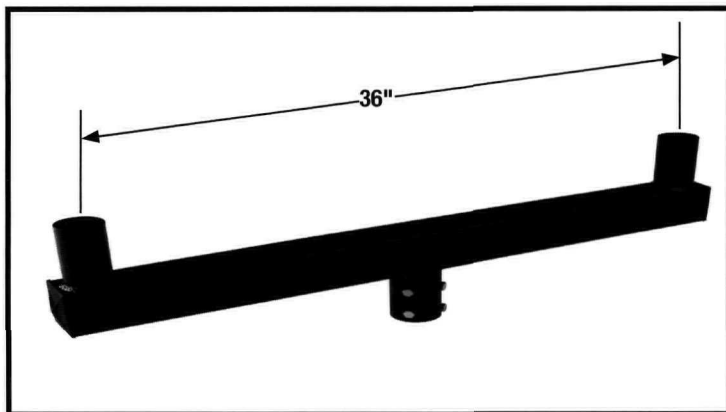
- Shipped with removable cap & mounting hardware assembled
- Catalog number shown to slipfit on 2-3/8" pole tenon
- Also available to slipfit 2-7/8" & 4" pole tenons
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | Wt/LBS |
|----------------|-----|--------|
| SB-490-08-2P | 8" | 13 |
| SB-490-12-2P | 12" | 17 |
| SB-490-15-2P | 15" | 21 |
| SB-490-24-2P | 24" | 32 |
| SB-490-30-2P | 30" | 39 |
| SB-490-36-2P | 36" | 47 |

Round Square Round Bracket - Two Light

Pole Top Mounting



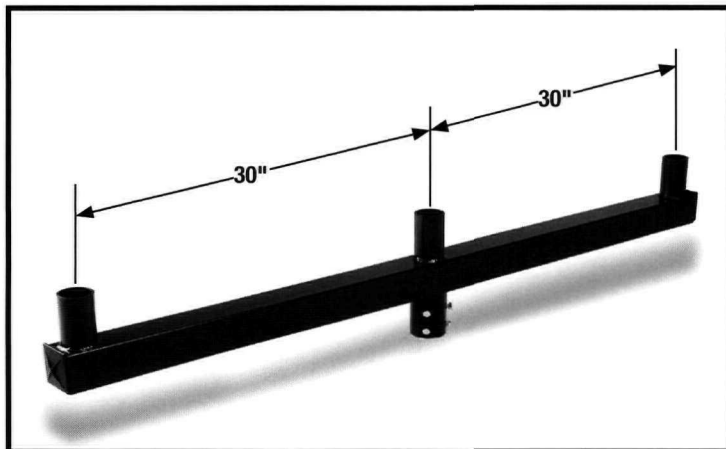
- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ RSR-B2-2P | 2-3/8" | 20 |
| RSR-B2-3P | 2-7/8" | 23 |
| RSR-B2-4P | 4" | 26 |

Round Square Round Bracket - Three Light

Pole Top Mounting



- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

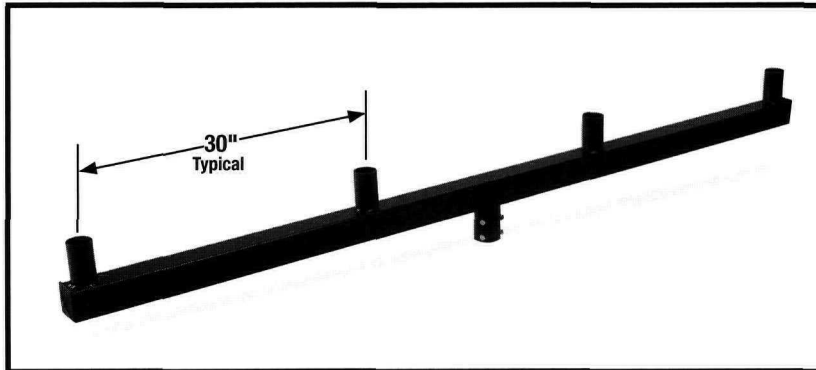
Steel

| Catalog Number | Pole Tenon Size | WT/LBS |
|----------------|-----------------|--------|
| ◆ RSR-B3-2P | 2-3/8" | 31 |
| RSR-B3-3P | 2-7/8" | 33 |
| RSR-B3-4P | 4" | 37 |

◆ Indicates stock item (in limited quantity).

Round Square Round Bracket - Four Light

Pole Top Mounting



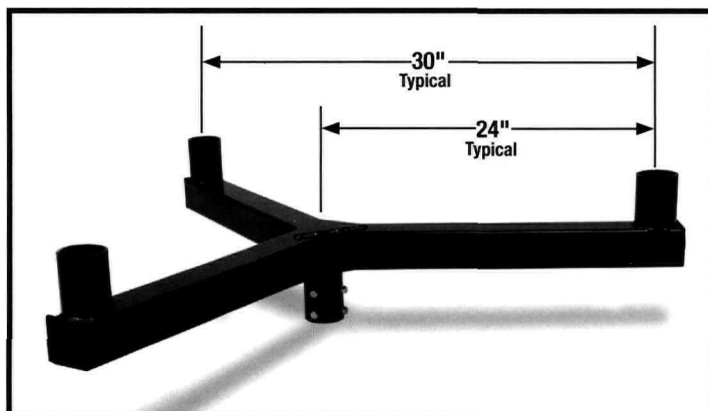
- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| ◆ RSR-B4-2P | 2-3/8" | 44 |
| RSR-B4-3P | 2-7/8" | 46 |
| RSR-B4-4P | 4" | 50 |

Round Square Round Bracket - Three Light

Pole Top Mounting



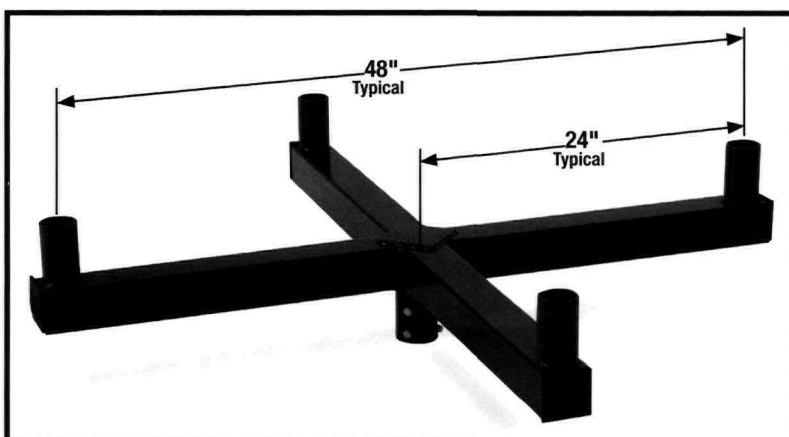
- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| RSR-T3-2P | 2-3/8" | 39 |
| RSR-T3-3P | 2-7/8" | 42 |
| RSR-T3-4P | 4" | 46 |

Round Square Round Bracket - Four Light

Pole Top Mounting



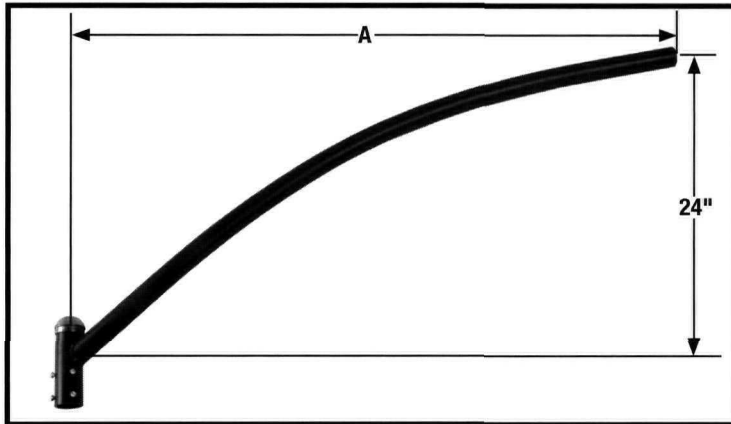
- Shipped with mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| RSR-T4-2P | 2-3/8" | 48 |
| RSR-T4-3P | 2-7/8" | 51 |
| RSR-T4-4P | 4" | 55 |

Upsweep Bracket - One Light

Pole Top Mounting



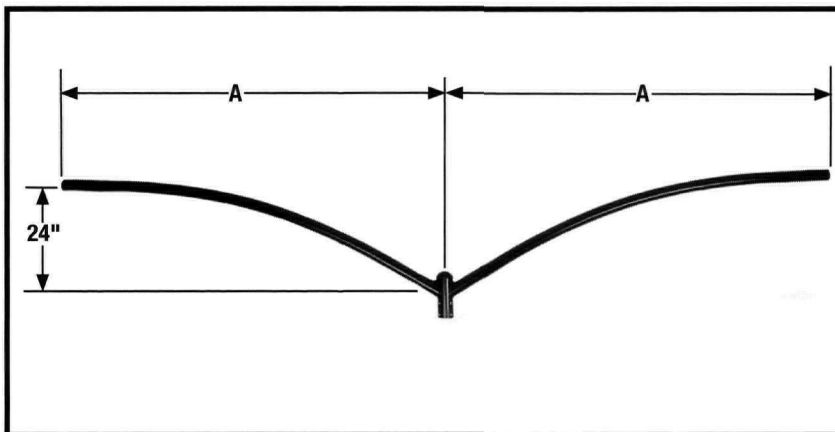
- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | Pole Tenon Size | Wt/LBS |
|----------------|-----|-----------------|--------|
| UB1-4-2P | 48" | 2-3/8" | 21 |
| UB1-4-3P | 48" | 2-7/8" | 23 |
| UB1-4-4P | 48" | 4" | 27 |
| ◆ UB1-6-2P | 72" | 2-3/8" | 28 |
| UB1-6-3P | 72" | 2-7/8" | 30 |
| UB1-6-4P | 72" | 4" | 34 |

Upsweep Bracket - Two Light

Pole Top Mounting



- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

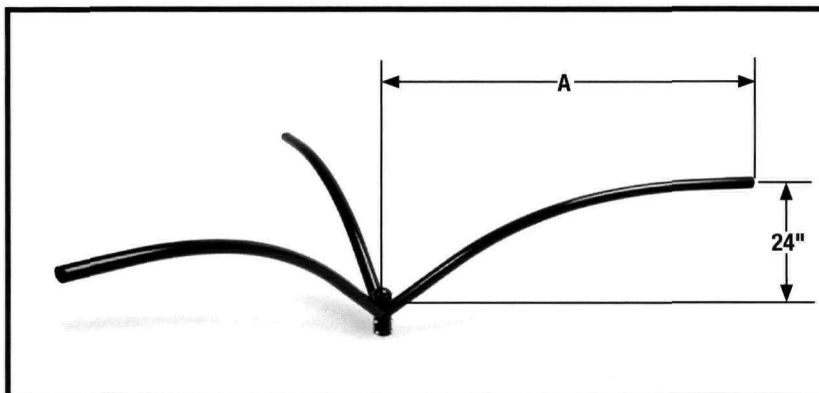
Steel

| Catalog Number | A | Pole Tenon Size | Wt/LBS |
|----------------|-----|-----------------|--------|
| UB2-4-2P | 48" | 2-3/8" | 38 |
| UB2-4-3P | 48" | 2-7/8" | 40 |
| UB2-4-4P | 48" | 4" | 44 |
| ◆ UB2-6-2P | 72" | 2-3/8" | 52 |
| UB2-6-3P | 72" | 2-7/8" | 54 |
| UB2-6-4P | 72" | 4" | 58 |

◆ Indicates stock item (in limited quantity).

Upsweep Bracket - Three Light

Pole Top Mounting



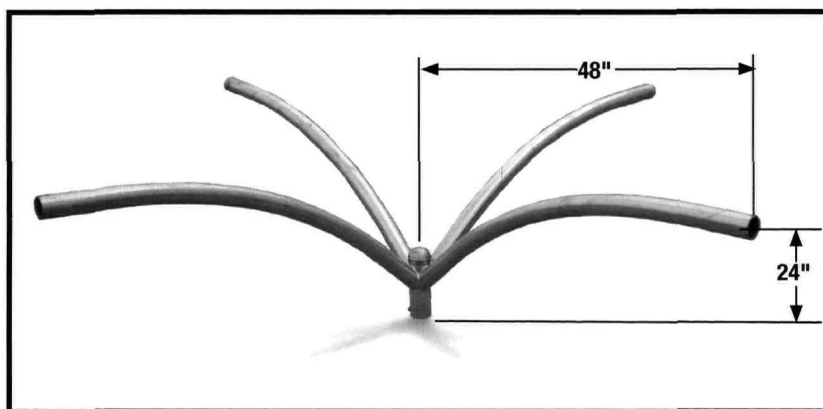
- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | A | Pole Tenon Size | Wt/LBS |
|----------------|-----|-----------------|--------|
| UB3-4-2P | 48" | 2-3/8" | 54 |
| UB3-4-3P | 48" | 2-7/8" | 56 |
| UB3-4-4P | 48" | 4" | 60 |
| UB3-6-2P | 72" | 2-3/8" | 77 |
| UB3-6-3P | 72" | 2-7/8" | 78 |
| UB3-6-4P | 72" | 4" | 82 |

Upsweep Bracket - Four Light

Pole Top Mounting



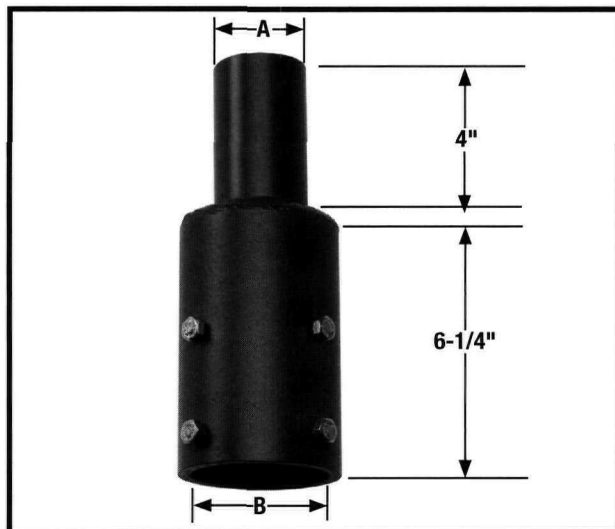
- Shipped with removable cap & mounting hardware assembled
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Steel

| Catalog Number | Pole Tenon Size | Wt/LBS |
|----------------|-----------------|--------|
| UB4-4-2P | 2-3/8" | 71 |
| UB4-4-3P | 2-7/8" | 73 |
| UB4-4-4P | 4" | 77 |

External Tenon Reducer for Round Poles

Pole Top Mounting



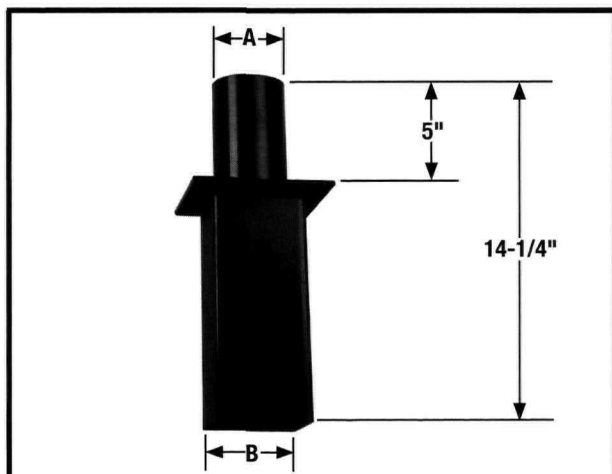
- Custom sizes can be manufactured for specific applications
- Shipped with mounting hardware assembled
- External mounting
- Finish: Red primer, stock colors available upon request
- For Hot Dip Galvanized, substitute "G" in place of "P"

Steel

| Catalog Number | A (O.D) | B (I.D.) | Wt/LBS |
|----------------|---------|-----------------------------------|--------|
| ◆ TR-30-2P | 2-3/8" | 3-1/4" for 3" O.D. pole top | 9 |
| ◆ TR-35-2P | 2-3/8" | 3-13/16" for 3-1/2" O.D. pole top | 10 |
| ◆ TR-40-2P | 2-3/8" | 4-1/4" for 4" O.D. pole top | 9 |
| TR-40-3P | 2-7/8" | 4-1/4" for 4" O.D. pole top | 10 |

Internal Tenon Adapter for Square Poles

Pole Top Mounting



- Custom sizes can be manufactured for specific applications
- Shipped with mounting hardware assembled
- Internal mounting
- Finish: Dark Bronze "DB" or Primer "P"
- For Hot Dip Galvanized, substitute "G"

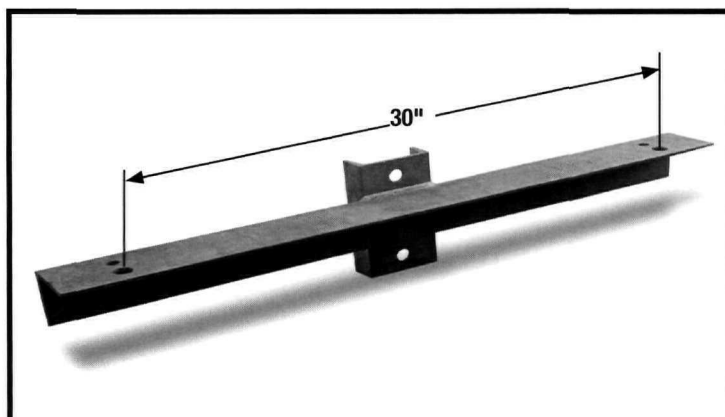
Steel

| Catalog Number | A (O.D) | B | Wt/LBS |
|----------------------------------|---------|----|--------|
| ◆ RTASQ-4-2DB for 4" square pole | 2-3/8" | 3" | 7 |
| ◆ RTASQ-5-2DB for 5" square pole | 2-3/8" | 4" | 9 |
| ◆ RTASQ-6-2DB for 6" square pole | 2-3/8" | 5" | 14 |
| RTASQ-4-3.5P for 4" square pole | 3-1/2" | 3" | 9 |
| RTASQ-5-3.5P for 5" square pole | 3-1/2" | 4" | 9 |
| RTASQ-6-3.5P for 6" square pole | 3-1/2" | 5" | 14 |

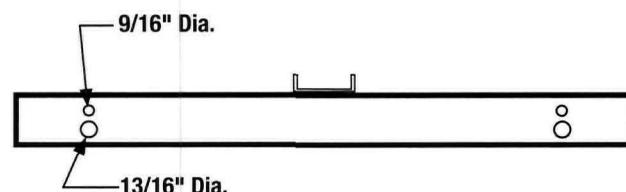
◆ Indicates stock item (in limited quantity).

Two Light Bracket

Sports Lighting



- Mounting hardware not included
- Finish: Primer "P" or Hot Dip Galvanized "G"
- Minimum pole diameter for mounting is 4"
- For square poles and diameters less than 4" - see page 36



Top View

Steel

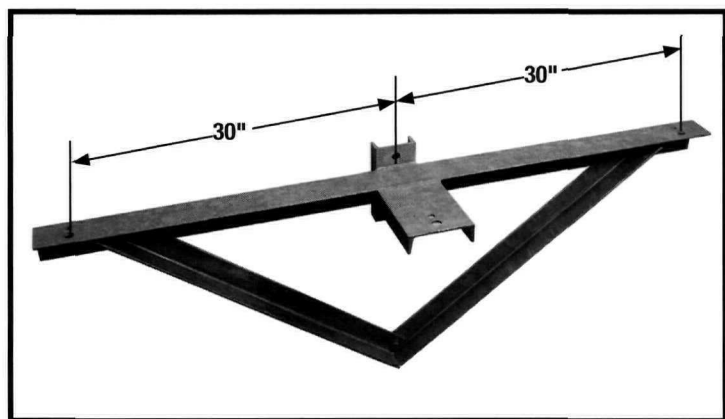
Catalog Number

Wt/LBS

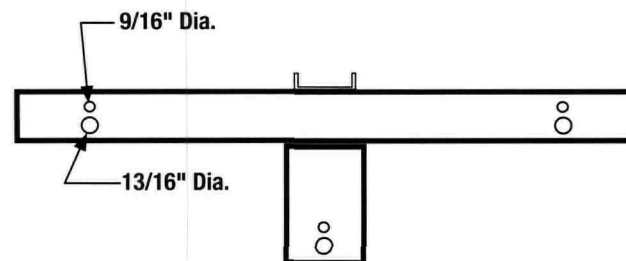
| | |
|-------------|----|
| ◆ S2-C2-WPP | 21 |
| ◆ S2-C2-WPG | 23 |

Three Light Bracket With Standoff

Sports Lighting



- Mounting hardware not included
- Finish: Primer "P" or Hot Dip Galvanized "G"
- Minimum pole diameter for mounting is 4"
- For square poles and diameters less than 4" - see page 36



Top View

Steel

Catalog Number

Wt/LBS

| | |
|--------------|----|
| ◆ S3-C3-WPPM | 68 |
| ◆ S3-C3-WPGM | 73 |

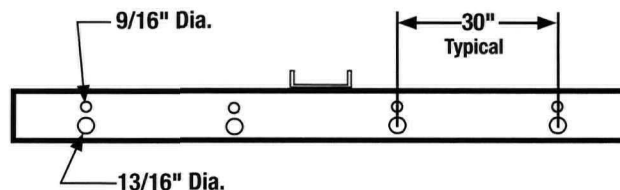
◆ Indicates stock item (in limited quantity).

Four Light Bracket

Sports Lighting



- Mounting hardware not included
- Finish: Primer "P" or Hot Dip Galvanized "G"
- Minimum pole diameter for mounting is 4"
- For square poles and diameters less than 4" - see page 36



Top View

Steel

Catalog Number

Wt/LBS

◆ S4-C4-WPP

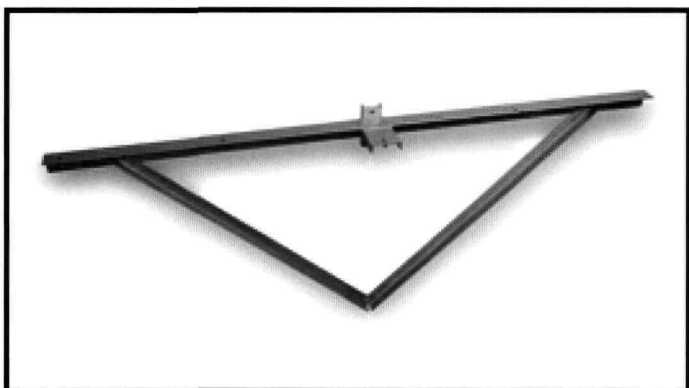
89

◆ S4-C4-WPG

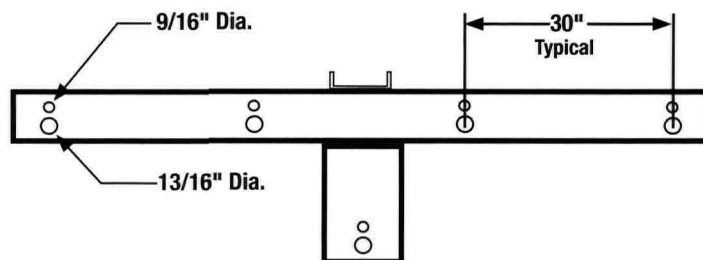
96

Five Light Bracket With Standoff

Sports Lighting



- Mounting hardware not included
- Finish: Primer "P" or hot dip galvanized "G"
- Minimum pole diameter for mounting is 4"
- For square poles and diameters less than 4" - see page 36



Top View

Steel

Catalog Number

Wt/LBS

◆ S5-C5-WPPM

130

◆ S5-C5-WPGM

142

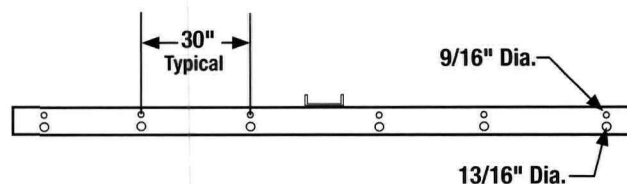
◆ Indicates stock item (in limited quantity).

Six Light Bracket

Sports Lighting



- Mounting hardware not included
- Finish: Primer "P" or Hot Dip Galvanized "G"
- Minimum pole diameter for mounting is 4"
- See page 36 for square poles & diameters less than 4"
- All welded construction



Steel

Catalog Number

Wt/LBS

S6-C6-WPP

221

◆ S6-C6-WPG

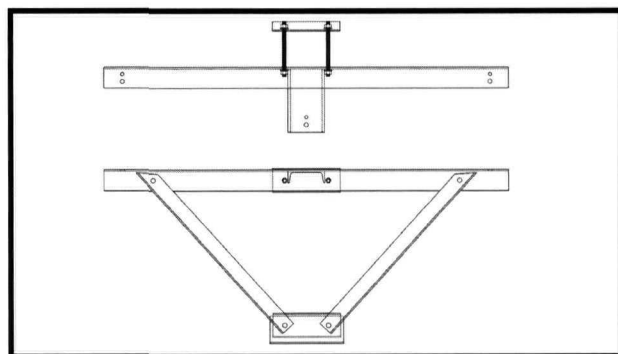
239

◆ Indicates stock item (in limited quantity).

Top View

Lighting Brackets For Square Poles

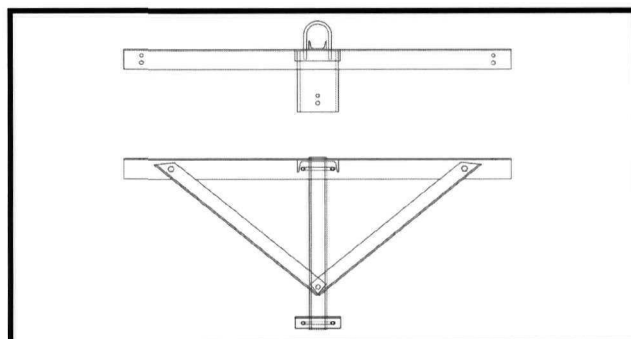
Sports Lighting



- Two to six lights
- Mounting hardware included
- Finish: Primer or Hot Dip Galvanized
- Indicate pole size when ordering

Lighting Brackets For Round Poles

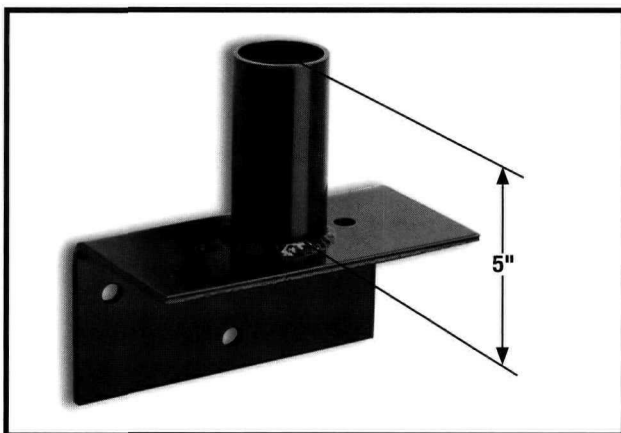
Sports Lighting



- Two to six lights
- Mounting hardware included
- Finish: Primer or Hot Dip Galvanized
- Indicate pole size when ordering

Parapet Bracket

Corner Mounting



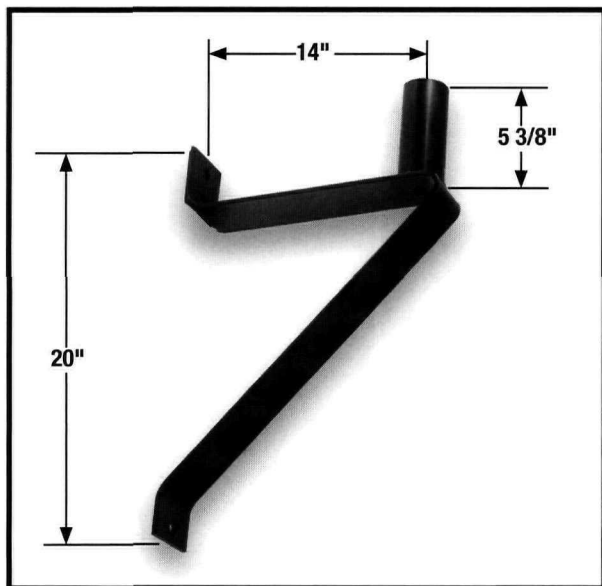
- Mounting hardware not included
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" on place of "P"

Steel

| Catalog Number | Pipe Size | Wt/LBS |
|----------------|-----------|--------|
| ◆ PC-2P | 2" | 8 |

Side Angle Bracket with Tenon

Wall Mounting



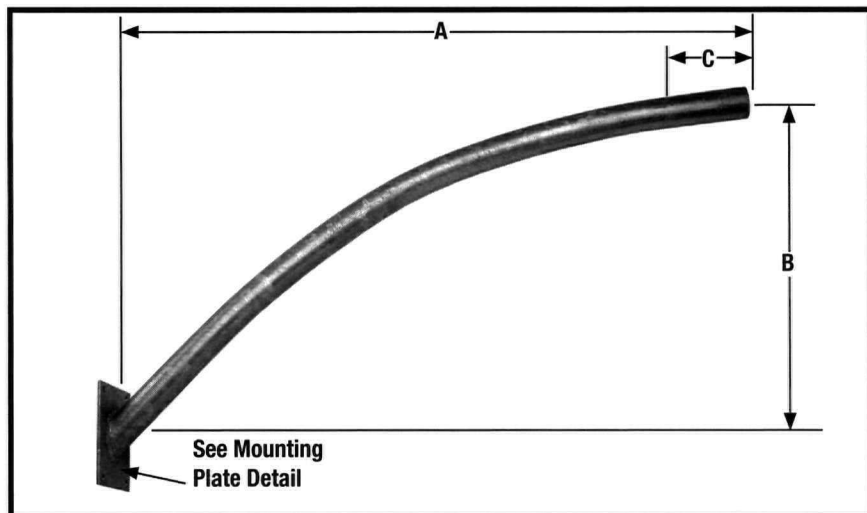
- Mounting hardware not included
- Finish: Hot Dip Galvanized

Steel

| Catalog Number | Pipe Size | Nom. Length | Wt/LBS |
|----------------|-----------|-------------|--------|
| SAB-PT | 2" | 5 3/8" | 10 |

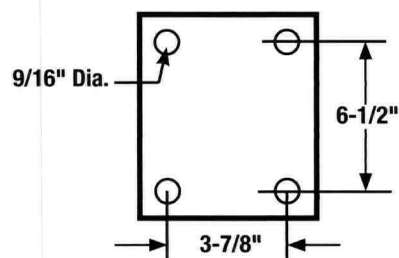
"J" Series - Continuous Upsweep Style Bracket

Wall Mounting



- Mounting hardware not included
- Finish: Hot Dip Galvanized

Mounting Plate Detail

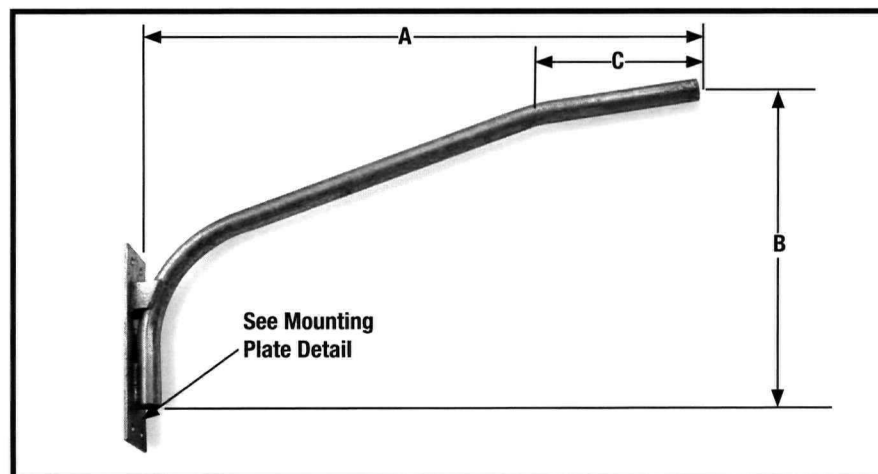


Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt/LBS |
|----------------|-----------|-------------|-----|-----|-----|--------|
| J200S040F | 2" | 4' | 48" | 24" | 6" | 20 |
| J200S060F | 2" | 6' | 72" | 30" | 12" | 28 |
| ◆ J200S080F | 2" | 8' | 90" | 25" | 27" | 34 |

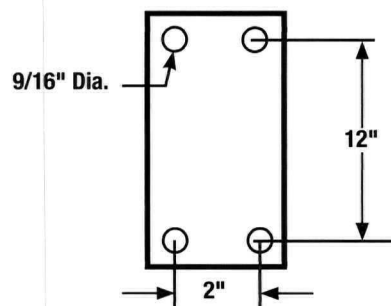
"E" Series - Cantilever Style Bracket

Wall Mounting



- Mounting hardware not included
- Finish: Hot Dip Galvanized

Mounting Plate Detail



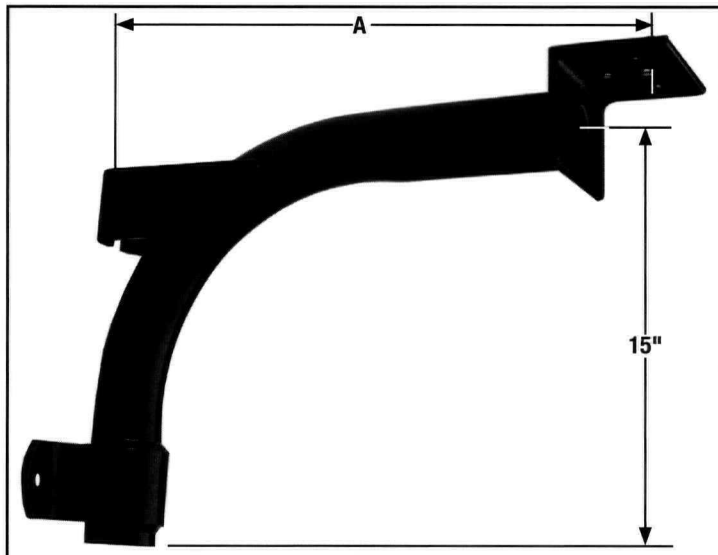
Steel

| Catalog Number | Pipe Size | Nom. Length | A | B | C | Wt/LBS |
|----------------|-----------|-------------|-----|-----|-----|--------|
| E125S026F | 1-1/4" | 2'-6" | 30" | 15" | 10" | 11 |
| E125S040F | 1-1/4" | 4' | 42" | 19" | 10" | 13 |
| E125S060F | 1-1/4" | 6' | 66" | 24" | 12" | 18 |
| E200S026F | 2" | 2'-6" | 30" | 15" | 10" | 17 |
| E200S040F | 2" | 4' | 42" | 19" | 10" | 12 |
| E200S060F | 2" | 6' | 66" | 24" | 12" | 30 |
| E200S080F | 2" | 8' | 90" | 30" | 15" | 38 |

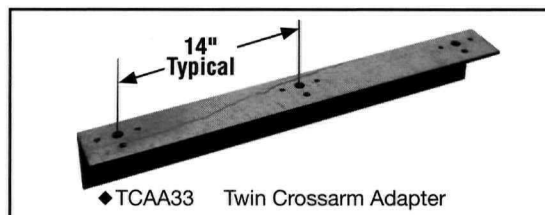
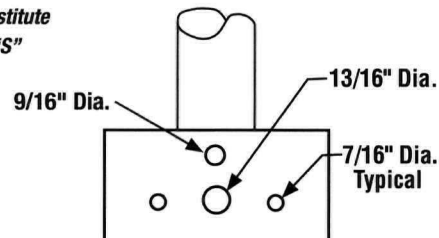
◆ Indicates stock item (in limited quantity).

"P" Series - Cross Arm Bracket

Wall Mounting



- Fixture mounting hardware included
- Finish: Hot Dip Galvanized
- For primer, substitute "P" in place of "S"

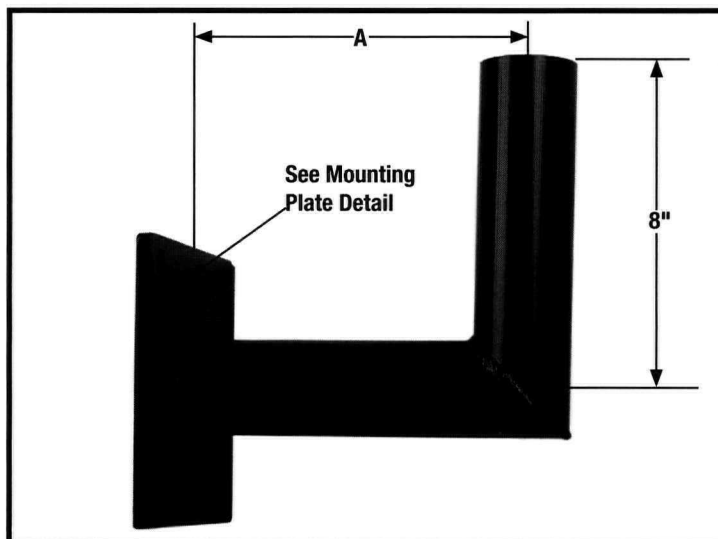


Steel

| Catalog Number | Pipe Size | Nom. Length | A | Wt/LBS |
|----------------|-----------|-------------|-----|--------|
| ◆ P200S016CW | 2" | 1-6" | 18" | 13 |
| P200S040CW | 2" | 4' | 48" | 20 |

Heavy Right Angle Bracket

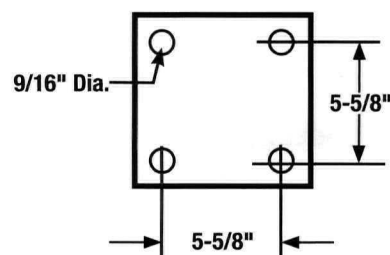
Wall Mounting



See Mounting Plate Detail

- Mounting hardware not included
- 9/16" diameter mounting holes
- 7" square mounting plate
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Mounting Plate Detail



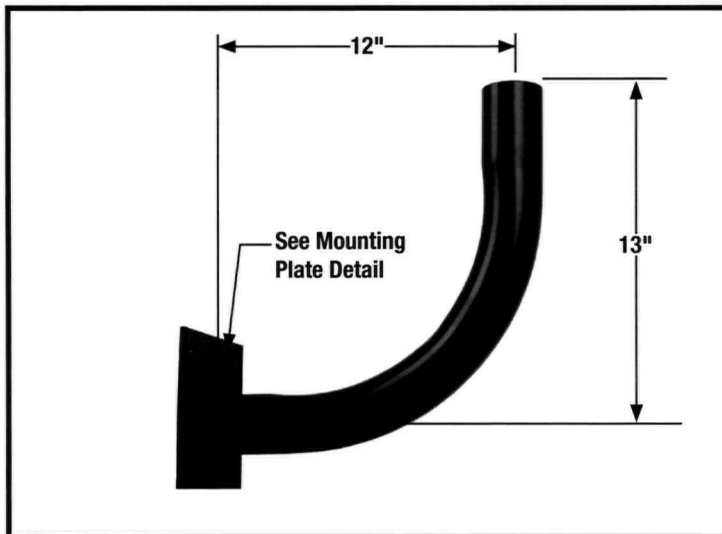
Steel

| Catalog Number | Pipe Size | A | Wt/LBS |
|----------------|-----------|--------|--------|
| ◆ RABH-P | 2" | 8-1/2" | 11 |
| ◆ RABH14-P | 2" | 14" | 12 |

◆ Indicates stock item (in limited quantity).

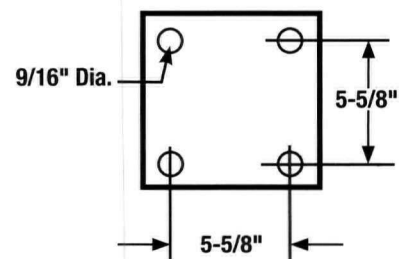
Right Angle Bracket

Wall Mounting



- Mounting hardware not included
- 9/16" diameter mounting holes
- 7" square mounting plate
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Mounting Plate Detail



Steel

Catalog Number

◆ RAB-P

Pipe Size

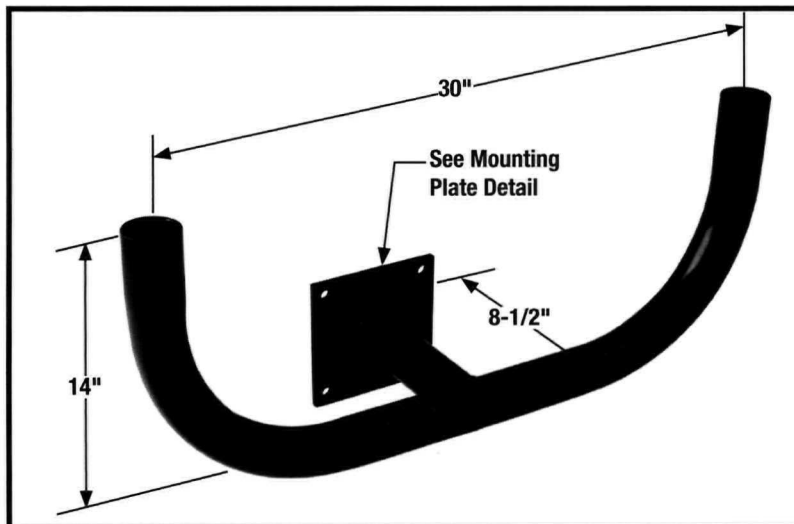
2"

Wt/LBS

9

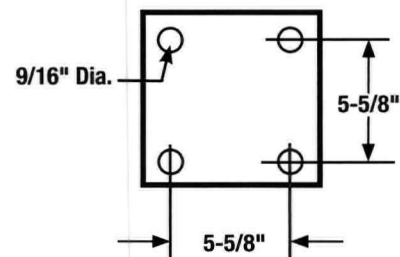
Double Right Angle Bracket

Wall Mounting



- Mounting hardware not included
- 9/16" diameter mounting holes
- 7" square mounting plate
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Mounting Plate Detail



Steel

Catalog Number

◆ DRAB-P

Pipe Size

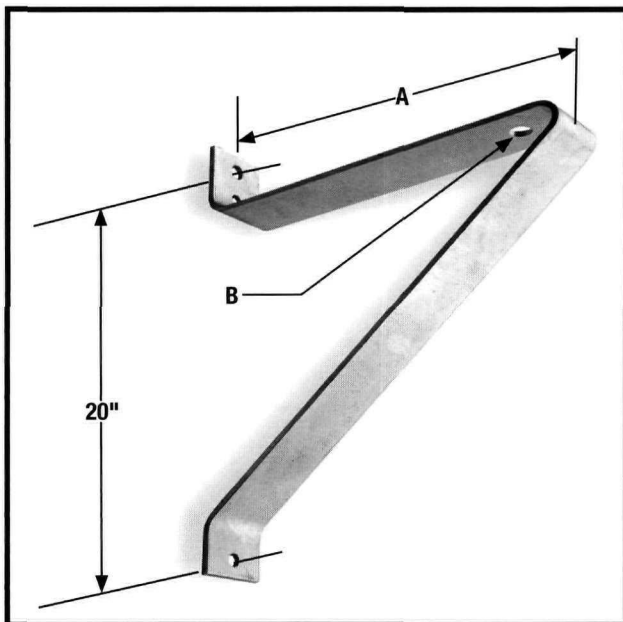
2"

Wt/LBS

23

◆ Indicates stock item (in limited quantity).

Side Angle Bracket



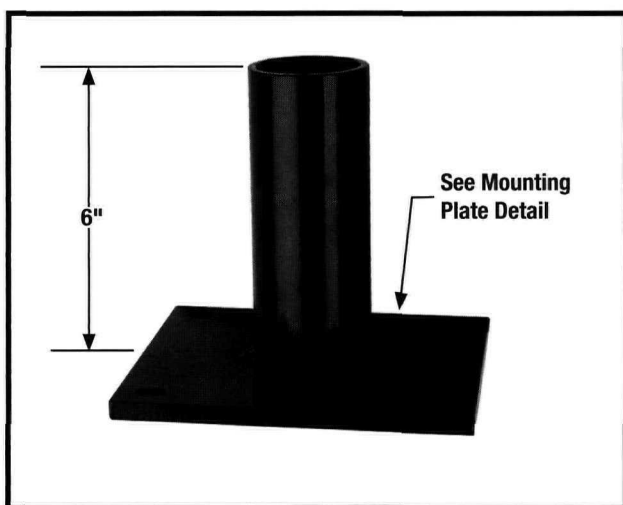
Steel

| Catalog Number | A | B "Dia." | Wt/LBS |
|----------------|---------|----------|--------|
| ◆ SAB-G | 12-1/2" | 11/16" | 9 |
| ◆ XSAB-G | 15-1/2" | 7/8" | 10 |

Wall Mounting

- Mounting hardware not included
- Finish: Hot Dip Galvanized
- For Primer, substitute "P" in place of "G"
- For Dark Bronze, substitute "DB" in place of "P"

Tenon Bracket



Steel

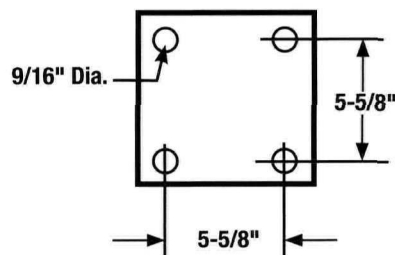
| Catalog Number | Pipe Size | Wt/LBS |
|----------------|-----------|--------|
| VT2-4P | 2" | 7 |
| ◆ VT2-6P | 2" | 8 |

◆ Indicates stock item (in limited quantity).

Wall Mounting

- Mounting hardware not included
- 9/16" diameter mounting holes
- 7" square mounting plate
- Finish: Primer
- For Hot Dip Galvanized, substitute "G" in place of "P"
- For Dark Bronze, substitute "DB" in place of "P"

Mounting Plate Detail



Notes

Terms and Conditions

Warranty

Utility Metals warrants all goods of our manufacture to be free from defects in material and workmanship under normal use and service. Any goods found to be defective, upon examination by us, within 12 months from date of shipment, shall be repaired or replaced by us without charge, FOB factory within the continental United States. All export taxes, fees and duties occurring from warranty shipments beyond the continental United States will be the customer's responsibility.

This warranty shall be null and void and of no effect unless we are notified of such defect, all within 12 months from the date of shipment. Such notification shall be directed to the office of Utility Metals. No goods shall be returned without prior written approval.

Explicitly excluded from the warranty are: special finishes and labor required to remove and/or reinstall original or replacement parts.

This warrant does not cover damage caused by improper installation, overloading, accident, improper storage, or neglect, alterations, modifications, or additions.

Utility Metals warrant the items purchased from other manufacturers only to the extent of the normal warranty of these manufacturers.

The above warranties are given in lieu of all other warranties expressed or implied, including without limitations, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly agreed that Utility Metals assumes no liability for liquidated damages arising out of a breach of contract, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above..

Quotations

Prices quoted are subject to receipt and acceptance of order within 14 days of the date of the quotation unless otherwise noted on quote.

Orders

All orders including any change orders, must include a written purchase order within 24 hours of request.

Taxes

Utility Metals reserves the right to add sales tax, or any other tax, which may be imposed on our products, as required by law. All shipments into the State of Kentucky will carry the current state sales tax unless a resale certificate of the State of Kentucky is on file at Utility Metals.

Terms Of Payment

Payment terms are net 30 days to established customers. New customers must furnish credit references before credit can be issued. A credit line will be based on credit reference information received by Utility Metals.

Cancellations

Written consent from Utility Metals must be obtained prior to the cancellation on any order. Cancellation charges may apply.

Returned Goods

Prior written authorization from Utility Metals must be obtained before credit on returned goods will be given. Returns shall be subject to restocking charge and must be returned to Utility Metals freight "prepaid."

Restocking

Subject to a 20% restocking charge of the total selling price, Utility Metals will accept returned product for credit or exchange subject to the following conditions.

1. The return product is Utility Metals standard stock and returned with prior approval.
2. Utility Metals reserves the right to refuse acceptance of returned product which is not in an "as new" condition or which has been altered or modified to meet buyers special requirements. Utility Metals reserves the right to refuse the return of product which may cause excessively high inventories.
3. Material returned to Utility Metals for restocking will be at the Buyer's expense and risk.

Loss or Damage in Transit

Utility Metals shall not be liable for loss or damage in transit. The following steps must be taken to ensure proper handling of loss or damage claim.

1. Products received freight prepaid must be checked against the packing list to ensure all items were delivered. In case of shortages, note on the carrier's paperwork. "Shipments Received Short." If shortage is not discovered upon receipt, in order to report loss in transit to the carrier, Utility Metals must be notified of shortage within 24 hours of receipt to ensure a claim for loss can be filed. Shortages reported later than 24 hours carry no guarantee of replacement/ credit.
2. Products received freight prepaid must be checked for damage upon receipt. In the case of damage observed upon delivery, note on carrier's paperwork "Received with Damage". Contact Utility Metals immediately. In the case of concealed damage, Utility Metals must be notified within 24 hours of receipt in order to report concealed damage to the carrier. Failure to report concealed damage within 24 hours may result in loss of repair costs/replacement of product.
3. Products received freight collect must be checked for damage upon receipt. In case of damage observed upon delivery, note on carrier's paperwork "Received with Damage," Utility Metals will not be responsible for any damage or loss of collect shipments. Freight claims rest solely with the consignee.

Deliveries

Delivery dates are estimated dates only, unless otherwise specified. Delivery dates are estimated from the date of receipt by Utility Metals of purchase order, complete technical data, and approval drawings.

In estimating such dates, no allowance will be made, nor shall we be liable directly or indirectly, for delays of carriers or delays from labor difficulties, shortages, strikes or stoppages of any sort, fires, accidents, failure or delay in obtaining materials or manufacturing facilities, acts of government affecting us directly or indirectly, bad weather or any causes beyond our control or causes designated as Acts of God or forces of nature by any court of law. The estimated delivery dates shall be extended accordingly. We will not be liable for any damages or penalties, whatsoever, whether direct, indirect, special or consequential, resulting from our failure to perform or delay in performing unless otherwise agreed in writing by an authorized officer of Utility Metals.

For special designs and/or applications not shown in our catalogs, please consult Utility Metals.



Visit our other divisions:



www.fabricatedmetals.com



www.strong-hold.com



Utility Metals
P.O. Box 9054
Louisville, KY 40209

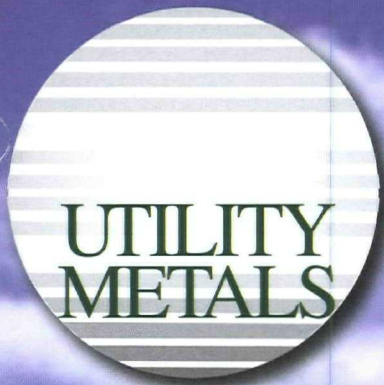
800•627•8276
502•363•6681
502•368•2656 Fax

A Division of Fabricated Metals LLC

www.utilitymetals.com

LIGHTING
BRACKETS

AREA LIGHTING
POLES



Area Lighting Poles

Square Steel • Round Steel • Round Tapered Steel



Utility Metals
P.O. Box 9054
Louisville, KY 40209

800•627•8276
502•363•6681
502•368•2656 Fax

A Division of Fabricated Metals LLC

www.utilitymetals.com

"We help light the world!"

Our Mission...

Utility Metals, an established company since 1955, manufactures and fabricates products primarily for the outdoor lighting market.

Utility Metals is committed to operating profitably based on fair and competitively priced products.

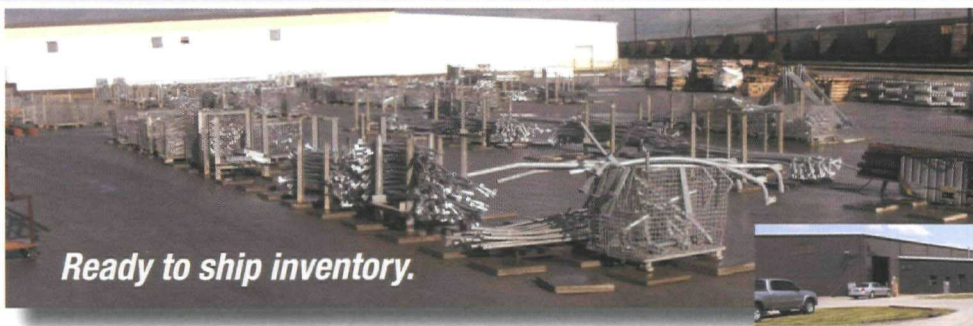
Utility Metals is dedicated to excellence in the industry, by being more efficient than our competition, and by providing the highest quality products through the assurance of a documented quality program.

Utility Metals is dedicated to customer satisfaction: fulfilling the needs of the customer on a timely basis and building relationships through value added service.

Utility Metals is a responsible community partner and encourages employees' involvement.

Utility Metals is committed to providing an environment for its employees that includes respect, training, development, and fulfillment, in order to achieve job satisfaction and a high level of productivity.

Utility Metals is committed to being a leader in the outdoor lighting market and to the exploration of new markets for growth opportunities.



Ready to ship inventory.

Utility Metals at a Glance...

- Manufacturer of outdoor lighting products since 1955
- Steel and aluminum mast arms, brackets, and pole accessories
- Square, round, and round tapered steel area lighting poles
- Powder coated, hot dip galvanized, acrylic painted, and primed finishes
- Custom fabrication
- Substantial inventory maintained for immediate shipment
- Customers include OEMs, utilities, distributors, contractors and DOTs
- Distributors for Akron Foundry transformer bases and Component Products helix foundations



Quality Assurance...

AISC Certified



Utility Metals' success through time has demonstrated a strong customer commitment. We have taken that commitment a step further by providing our customers with the assurance of a documented quality program. We are driven to exceed our customers' needs through exceptional service and on-time deliveries. A continuous effort is made to seek innovative ways of providing the highest quality products in the most cost effective manner.

Members...

As a further commitment to and our support for the lighting and electrical industry, Utility Metals is proud to be a member of the following associations:



Table of Contents

| | |
|---------------------------|-------------|
| Square Steel Poles | Page |
| Dimension Chart | 1 |
| General Specifications | 1 |
| Wind Capacity Chart | 2 |

| | |
|--------------------------|---|
| Round Steel Poles | |
| Dimension Chart | 3 |
| Wind Capacity Chart | 4 |
| General Specifications | 4 |

| | |
|----------------------------------|---|
| Round Tapered Steel Poles | |
| Dimension Chart | 5 |
| Wind Capacity Chart | 6 |
| General Specifications | 6 |

| | |
|---|---|
| Square Steel Direct Burial Poles | |
| Dimension Chart | 7 |
| General Specifications | 7 |
| Wind Capacity Chart | 8 |

| | |
|--|----|
| Round Steel Direct Burial Poles | |
| Dimension Chart | 9 |
| General Specifications | 9 |
| Wind Capacity Chart | 10 |

| | |
|--|----|
| Round Tapered Steel Direct Burial Poles | |
| Dimension Chart | 11 |
| General Specifications | 11 |
| Wind Capacity Chart | 12 |

| | |
|--|-------------|
| Round Tapered Steel Poles With Arms | Page |
| Arm Mounting Height Chart | 13 |
| General Specifications | 13 |

| | |
|--------------------------|-----------|
| Wind Velocity Map | 14 |
|--------------------------|-----------|

| | |
|--------------------------|----|
| Helix Foundations | |
| Dimension Chart | 15 |
| General Specifications | 15 |

| | |
|--------------------------------------|-----------|
| Tenon Reducers & Adapters | 16 |
|--------------------------------------|-----------|

| | |
|-------------------------|----|
| Specialty Poles | |
| Pedestrian Pole | 17 |
| Camera Pole | 17 |
| Adapter Plates | 17 |
| Breakaway Pedestal Base | 17 |

| | |
|--------------------------|----|
| Pole Top Brackets | |
| Bullhorn Brackets | 18 |
| Upsweep Brackets | 18 |
| Spoke Brackets | 18 |

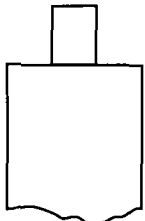
| | |
|-------------------------------|-----------|
| Other Products Offered | 19 |
|-------------------------------|-----------|

| | |
|-------------------------------|-----------|
| Terms & Conditions | 20 |
|-------------------------------|-----------|

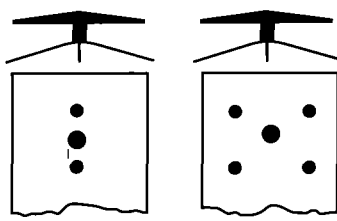
Utility Metals reserves the right to modify or change any portion of this catalog, its contents and terms and conditions without notice, to allow for material availability, manufacturing process and product change. For publications purposes, dimensions are rounded to the nearest inch where appropriate.

Square Steel Poles

Options for Pole Top

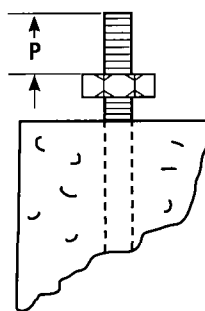
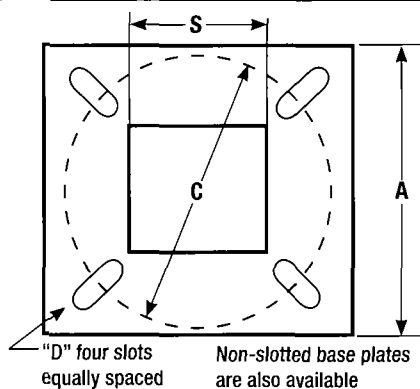


* 2-3/8", 3" or 4" O.D. Tenon
* Special Tenon Sizes available

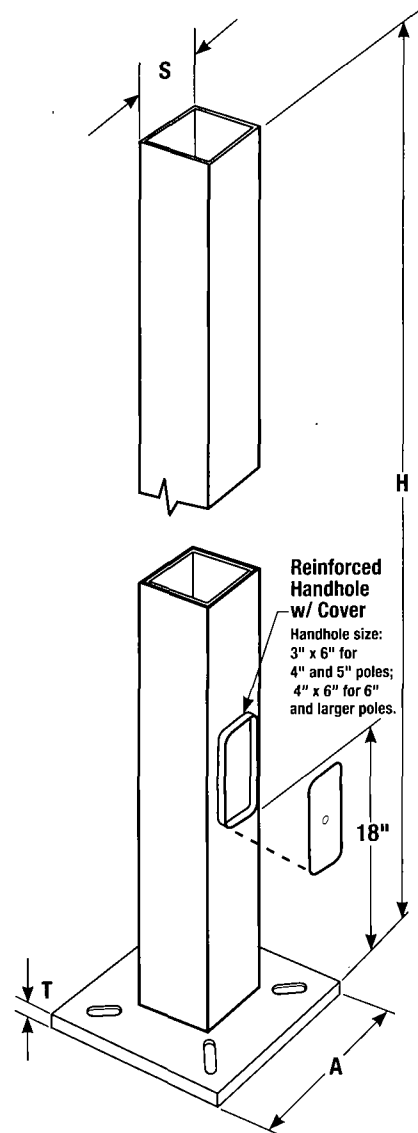


* Numerous Drill Patterns Available
* Removable pole cap included

Bolt Circle & Projection Drawings



| SQUARE SHAFT SIZE "S" (in.) | BOLT CIRCLE DIA "C" (in.) | PLATE THICKNESS (in.) (T) | SLOT SIZE (width x length) "D" (in.) | SLOT RANGE (in.) | SQUARE BASE SIZE "A" (in.) | ANCHOR BOLTS (in.) | PROJECTION "P" (in.) |
|--------------------------------------|------------------------------------|---------------------------------|--|------------------------|-------------------------------------|--------------------------|----------------------------|
| 4 | 9 | 1 | 1 x 2 | 8-10 | 10 | 3/4 x 20 x 3 | 2 |
| 5 | 11 | 1 | 1-1/4 x 2-1/4 | 10-12 | 12 | 1 x 36 x 3 | 2-1/2 |
| 6 | 13 | 1 | 1-1/4 x 2-1/4 | 12-14 | 14 | 1 x 36 x 3 | 2-1/2 |
| 7 | 16 | 1 | 1-1/4 x 2-1/4 | 15-17 | 17 | 1 x 36 x 3 | 2-1/2 |
| 8 | 17 | 1-1/4 | 1-3/4 x 2-3/4 | 16-18 | 18 | 1-1/2 x 60 x 6 | 3-5/8 |



General Specifications

Square Steel Lighting Poles

- Shaft - 55,000 p.s.i minimum yield
- Base covers
- Base plates - 36,000 p.s.i minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap
- Four galvanized anchor bolts with galvanized hardware
- Anchor bolt templates included

Also Available...

- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Custom base plates to match existing anchor bolts
- Single/double GFI duplex receptacle with weatherproof cover
- Direct burial poles

Square Steel Poles

Wind Capacity Chart

| POLE CATALOG NUMBER | NOM. MTG. "H" (ft.) | SHAFT SIZE "S" (in.) | SHAFT THICKNESS (in.) | @ 80 MPH LUMINAIRE WT. (lb.) | | | | @ 90 MPH LUMINAIRE WT. (lb.) | | | | @ 100 MPH LUMINAIRE WT. (lb.) | | | | SHIP WEIGHT (lb.) |
|---------------------------|---------------------------|----------------------------|-----------------------------|---------------------------------|------|------|------|---------------------------------|------|------|------|----------------------------------|------|------|------|-------------------------|
| | | | | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | |
| SQP4-11-10 | 10 | 4 | 1/8 | 24.9 | 24.5 | 24.0 | 23.6 | 19.2 | 18.9 | 18.5 | 18.1 | 15.2 | 14.9 | 14.6 | 14.3 | 101# |
| SQP4-11-15 | 15 | 4 | 1/8 | 11.9 | 11.6 | 11.3 | 11.1 | 8.8 | 8.6 | 8.3 | 8.1 | 6.6 | 6.4 | 6.2 | 6.0 | 134# |
| SQP4-11-20 | 20 | 4 | 1/8 | 6.8 | 6.6 | 6.3 | 6.1 | 4.5 | 4.3 | 4.1 | 3.9 | 2.8 | 2.7 | 2.5 | 2.4 | 166# |
| SQP5-11-20 | 20 | 5 | 1/8 | 10.2 | 10.0 | 9.8 | 9.6 | 6.9 | 6.7 | 6.5 | 6.3 | 4.5 | 4.3 | 4.2 | 4.0 | 233# |
| SQP4-07-20 | 20 | 4 | 3/16 | 13.7 | 13.4 | 13.0 | 12.7 | 10.0 | 9.7 | 9.4 | 9.1 | 7.3 | 7.0 | 6.8 | 6.6 | 225# |
| SQP5-07-20 | 20 | 5 | 3/16 | 23.8 | 23.5 | 23.2 | 22.8 | 17.7 | 17.4 | 17.2 | 16.9 | 13.3 | 13.1 | 12.9 | 12.7 | 313# |
| SQP6-07-20 | 20 | 6 | 3/16 | 31.8 | 31.5 | 31.2 | 30.9 | 23.8 | 23.5 | 23.3 | 23.1 | 18.0 | 17.8 | 17.7 | 17.5 | 379# |
| SQP4-11-25 | 25 | 4 | 1/8 | 3.2 | 3.0 | 2.7 | 2.5 | 1.4 | 1.2 | 1 | 0.8 | - | - | - | - | 198# |
| SQP5-11-25 | 25 | 5 | 1/8 | 5.2 | 5.0 | 4.8 | 4.6 | 2.5 | 2.4 | 2.2 | 2.0 | 0.6 | 0.5 | 0.4 | 0.2 | 273# |
| SQP4-07-25 | 25 | 4 | 3/16 | 8.6 | 8.2 | 7.8 | 7.5 | 5.6 | 5.3 | 5.0 | 4.8 | 3.5 | 3.2 | 3.0 | 2.8 | 272# |
| SQP5-07-25 | 25 | 5 | 3/16 | 16.1 | 15.8 | 15.5 | 15.1 | 11.3 | 11 | 10.8 | 10.5 | 7.8 | 7.6 | 7.4 | 7.2 | 373# |
| SQP6-07-25 | 25 | 6 | 3/16 | 22.0 | 21.8 | 21.5 | 21.2 | 15.7 | 15.4 | 15.2 | 15 | 11.1 | 10.9 | 10.7 | 10.5 | 453# |
| SQP5-11-30 | 30 | 5 | 1/8 | 1.1 | 0.9 | 0.7 | 0.5 | - | - | - | - | - | - | - | - | 313# |
| SQP5-07-30 | 30 | 5 | 3/16 | 9.3 | 9.0 | 8.7 | 8.4 | 5.7 | 5.5 | 5.2 | 5 | 3.1 | 2.9 | 2.7 | 2.5 | 433# |
| SQP6-07-30 | 30 | 6 | 3/16 | 13.4 | 13.1 | 12.8 | 12.6 | 8.6 | 8.4 | 8.2 | 7.9 | 5.1 | 5.0 | 4.8 | 4.6 | 527# |
| SQP7-07-30 | 30 | 7 | 3/16 | 16.6 | 16.5 | 16.3 | 16.1 | 10.8 | 10.6 | 10.4 | 10.2 | 6.6 | 6.5 | 6.3 | 6.2 | 620# |
| SQP8-07-30 | 30 | 8 | 3/16 | 22.4 | 22.3 | 22.1 | 22.0 | 14.8 | 14.6 | 14.5 | 14.4 | 9.3 | 9.2 | 9.1 | 9.0 | 752# |
| SQP5-07-35 | 35 | 5 | 3/16 | 4.8 | 4.4 | 4.1 | 3.8 | 1.8 | 1.5 | 1.2 | 1.0 | - | - | - | - | 493# |
| SQP6-07-35 | 35 | 6 | 3/16 | 7.7 | 7.5 | 7.2 | 6.9 | 3.7 | 3.5 | 3.3 | 3.0 | 0.8 | 0.6 | 0.5 | 0.3 | 599# |
| SQP7-07-35 | 35 | 7 | 3/16 | 10.0 | 9.8 | 9.5 | 9.3 | 5.1 | 4.9 | 4.7 | 4.5 | 1.6 | 1.4 | 1.3 | 1.1 | 706# |
| SQP6-03-35 | 35 | 6 | 1/4 | 16.8 | 16.5 | 16.2 | 15.9 | 10.9 | 10.6 | 10.4 | 10.1 | 6.6 | 6.4 | 6.2 | 6.0 | 756# |
| SQP7-03-35 | 35 | 7 | 1/4 | 24.3 | 24.0 | 23.8 | 23.5 | 16.4 | 16.2 | 16 | 15.8 | 10.7 | 10.6 | 10.4 | 10.2 | 893# |
| SQP8-07-35 | 35 | 8 | 3/16 | 14.1 | 13.9 | 13.8 | 13.6 | 7.6 | 7.4 | 7.3 | 7.2 | 3.2 | 3.1 | 3.0 | 2.9 | 850# |
| SQP8-03-35 | 35 | 8 | 1/4 | 31.6 | 31.3 | 31.1 | 30.9 | 21.7 | 21.6 | 21.4 | 21.2 | 14.7 | 14.6 | 14.4 | 14.3 | 1066# |
| SQP6-07-40 | 40 | 6 | 3/16 | 3.0 | 2.7 | 2.4 | 2.1 | - | - | - | - | - | - | - | - | 672# |
| SQP7-07-40 | 40 | 7 | 3/16 | 4.4 | 4.2 | 3.9 | 3.7 | 0.2 | - | - | - | - | - | - | - | 791# |
| SQP6-03-40 | 40 | 6 | 1/4 | 10.7 | 10.4 | 10.1 | 9.7 | 5.7 | 5.4 | 5.1 | 4.9 | 2.0 | 1.8 | 1.6 | 1.4 | 852# |
| SQP7-03-40 | 40 | 7 | 1/4 | 16.8 | 16.5 | 16.2 | 16.0 | 10.0 | 9.8 | 9.5 | 9.3 | 5.1 | 4.9 | 4.8 | 4.6 | 1005# |
| SQP8-07-40 | 40 | 8 | 3/16 | 7.1 | 6.9 | 6.8 | 6.6 | 1.9 | 1.7 | 1.5 | 1.4 | - | - | - | - | 948# |
| SQP8-03-40 | 40 | 8 | 1/4 | 22.6 | 22.4 | 22.1 | 21.9 | 14.1 | 13.9 | 13.7 | 13.5 | 8.0 | 7.9 | 7.7 | 7.6 | 1196# |

The maximum EPAs as shown are based on the requirements found in AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994." When using wind speeds other than those based upon the fastest-mile design wind speed and its 1.3 gust coefficient, please contact Utility Metals for assistance.

To select a pole, first add the weights and EPAs of the mounting brackets and luminaires to get the combined load per pole. The wind speed is determined by local conditions. The mounting height can be determined by the luminaire manufacturer's specifications. Choose the wind speed category, then the column to the combined load in weight. Move down the column to the desired height, then to the first pole that exceeds the combined load EPA. This should be your best value. Remember the pole capacity must exceed the combined load in both weight and EPA.

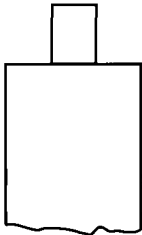
Local soil conditions determine the type of foundation required for each pole.

The capacities shown are based on a 24" off center load. This is usually the most conservative configuration. We have extensive charts for other wind, weight and luminaire mounting. If we know your application, we can provide you with the most economical pole.

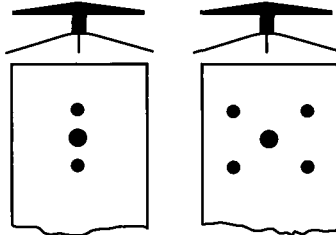
The pole capacity chart has been calculated with mounting at ground level and 1.3 gust factor included. No provisions have been made for banners, pendants, signs, flags, overhead wiring or other items that might be fastened to the pole

Round Steel Poles

Options for Pole Top

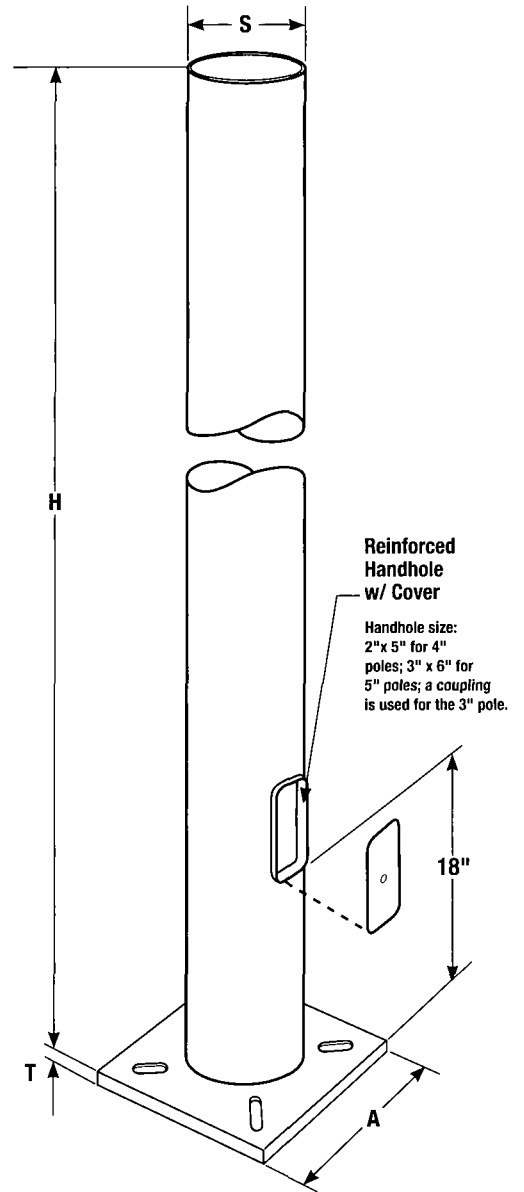
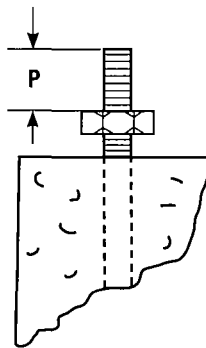
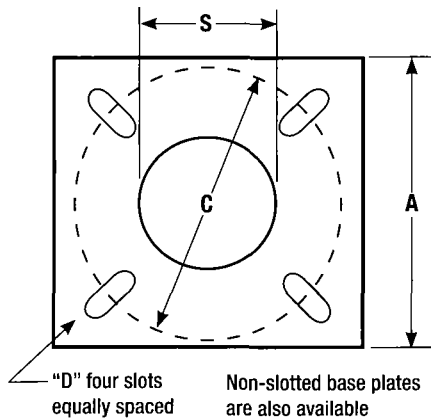


- * 2-3/8", 3" or 4" O.D. Tenon
- * Special Tenon Sizes available



- * Numerous Drill Patterns Available
- * Removable pole cap included

Bolt Circle & Projection Drawings



| ROUND SHAFT SIZE "S" (in.) | BOLT CIRCLE DIA. "C" (in.) | PLATE THICKNESS "T" (in.) | SLOT SIZE (width & length) "D" (in.) | SLOT RANGE (in.) | SQUARE BASE SIZE "A" (in.) | ANCHOR BOLTS (in.) | PROJECTION "P" (in.) |
|----------------------------------|----------------------------------|---------------------------------|--|------------------------|----------------------------------|--------------------------|----------------------------|
| 3 | 9 | 3/4 | 1 x 2 | 8-10 | 10 | 3/4 x 20 x 3 | 2 |
| 4 | 9 | 3/4 | 1 x 2 | 8-10 | 10 | 3/4 x 20 x 3 | 2 |
| 5 | 9 | 3/4 | 1 x 2 | 8-10 | 10 | 3/4 x 20 x 3 | 2 |
| 6 | 13-1/2 | 1 | 1-1/4 x 2-1/4 | 12-1/4 x 14-1/2 | 15 | 1 x 36 x 3 | 2-1/2 |

Round Steel Poles

Wind Capacity Chart

| POLE CATALOG NUMBER | NOM. MTG. "H" (ft.) | SHAFT SIZE "S" (in.) | SHAFT THICKNESS (in.) | @ 80 MPH | | | | @ 90 MPH | | | | @ 100 MPH | | | | SHIP WEIGHT (lb.) |
|---------------------------|---------------------------|----------------------------|-----------------------------|---------------------|------|------|------|---------------------|------|------|------|---------------------|------|------|------|-------------------------|
| | | | | LUMINAIRE WT. (lb.) | | | | LUMINAIRE WT. (lb.) | | | | LUMINAIRE WT. (lb.) | | | | |
| | | | | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | |
| SRP3-7-10 | 10 | 3 | 3/16 | 13.0 | 12.8 | 12.6 | 12.4 | 10.0 | 9.8 | 9.7 | 9.5 | 7.8 | 7.7 | 7.6 | 7.5 | 90# |
| SRP4-7-10 | 10 | 4 | 3/16 | 25.0 | 24.4 | 24.3 | 24.1 | 19.1 | 19.0 | 18.9 | 18.7 | 15.2 | 15.1 | 15.0 | 14.9 | 109# |
| SRP3-7-15 | 15 | 3 | 3/16 | 6.0 | 5.8 | 5.5 | 5.3 | 4.4 | 4.2 | 4.0 | 3.8 | 3.2 | 3.1 | 3.0 | 2.8 | 116# |
| SRP4-7-15 | 15 | 4 | 3/16 | 12.2 | 12.0 | 11.8 | 11.7 | 9.1 | 9.0 | 8.9 | 8.7 | 7.1 | 7.0 | 6.9 | 6.8 | 147# |
| SRP4-7-20 | 20 | 4 | 3/16 | 7.4 | 7.2 | 7.0 | 6.8 | 5.2 | 5.0 | 4.8 | 4.7 | 3.7 | 3.6 | 3.5 | 3.3 | 185# |
| SRP5-7-20 | 20 | 5 | 3/16 | 13.4 | 13.3 | 13.1 | 12.9 | 10.4 | 10.2 | 10.1 | 9.9 | 8.2 | 8.1 | 8.0 | 7.8 | 228# |
| SRP4-7-25 | 25 | 4 | 3/16 | 4.1 | 3.8 | 3.5 | 3.2 | 2.3 | 2.1 | 1.9 | 1.7 | 1.3 | 1.1 | 0.9 | 0.7 | 223# |
| SRP5-7-25 | 25 | 5 | 3/16 | 8.6 | 8.4 | 8.2 | 7.9 | 6.5 | 6.3 | 6.1 | 5.9 | 5.0 | 4.8 | 4.7 | 4.5 | 276# |
| SRP5-7-30 | 30 | 5 | 3/16 | 4.4 | 4.2 | 3.9 | 3.7 | 3.1 | 2.9 | 2.7 | 2.5 | 2.2 | 2.1 | 1.9 | 1.7 | 324# |

The maximum EPAs as shown are based on the requirements found in AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994." When using wind speeds other than those based upon the fastest-mile design wind speed and its 1.3 gust coefficient, please contact Utility Metals for assistance.

To select a pole, first add the weights and EPAs of the mounting brackets and luminaires to get the combined load per pole. The wind speed is determined by local conditions. The mounting height can be determined by the luminaire manufacturer's specifications. Choose the wind speed category, then the column to the combined load in weight. Move down the column to the desired height, then to the first pole that exceeds the combined load EPA. This should be your best value. Remember the pole capacity must exceed the combined load in both weight and EPA.

Local soil conditions determine the type of foundation required for each pole.

The capacities shown are based on a 24" off center load. This is usually the most conservative configuration. We have extensive charts for other wind, weight and luminaire mounting. If we know your application, we can provide you with the most economical pole.

The pole capacity chart has been calculated with mounting at ground level and 1.3 gust factor included. No provisions have been made for banners, pendants, signs, flags, overhead wiring or other items that might be fastened to the pole

General Specifications

Round Steel Lighting Poles

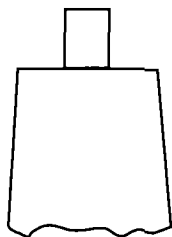
- Shaft - 38,000 p.s.i. minimum yield
- Base covers
- Base plates - 36,000 p.s.i. minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap
- Four galvanized anchor bolts with galvanized hardware
- Anchor bolt templates included

Also Available...

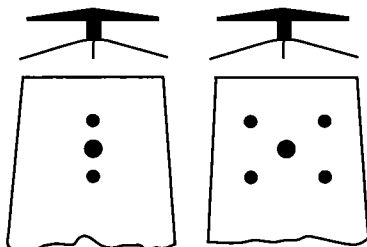
- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Custom base plates to match existing anchor bolts
- Single/double GFI duplex receptacle with weatherproof cover
- Direct burial poles

Round Tapered Steel Poles

Options for Pole Top

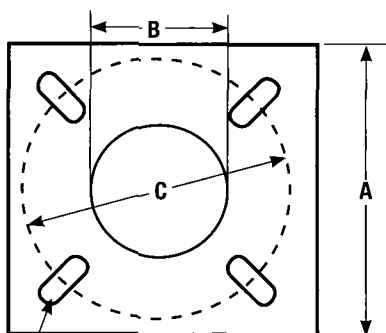


- * 2-3/8", 3" or 4" O.D. Tenon
- * Special Tenon Sizes available



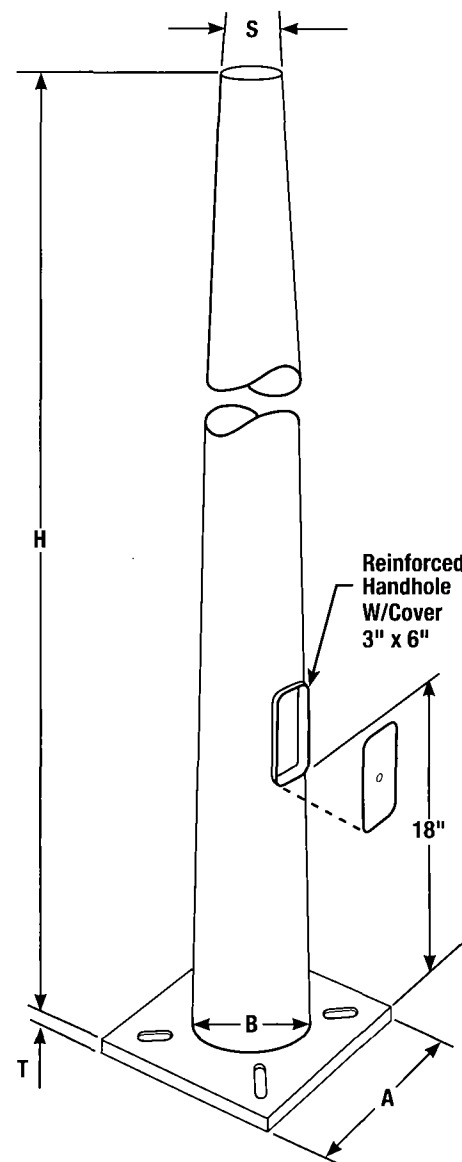
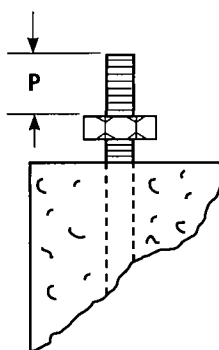
- * Numerous Drill Patterns Available
- * Removable pole cap included

Bolt Circle & Projection Drawings



"D" four slots equally spaced

Non-Slotted base Plates are also available



| ROUND SHAFT SIZE "B" (in.) | BOLT CIRCLE DIA. "C" (in.) | PLATE THICKNESS "T" (in.) | SLOT RANGE (width & length) "D" (in.) | SLOT RANGE (in.) | SQUARE BASE SIZE "A" (in.) | ANCHOR BOLTS (in.) | PROJECTION "P" (in.) |
|----------------------------------|----------------------------------|---------------------------------|---|------------------------|----------------------------------|--------------------------|----------------------------|
| 6.3 | 10-1/2 | 1 | 1-1/4 x 2-1/4 | 9-1/2-11-1/2 | 11 | 1 x 36 x 3 | 2-1/2 |
| 7.0 | 11 | 1 | 1-1/4 x 2 1/4 | 10-12 | 12 | 1 x 36 x 3 | 2-1/2 |
| 8.0 | 12 | 1 | 1-1/4 x 2-1/4 | 11-13 | 13 | 1 x 36 x 3 | 2-1/2 |
| 8.5 | 12-1/2 | 1 | 1-1/4 x 2-1/4 | 11-1/2-13-1/2 | 14 | 1 x 36 x 3 | 2-1/2 |
| 9.1 | 13-1/2 | 1-1/4 | 1-1/4 x 2-1/4 | 12-1/2-14-1/2 | 15 | 1 x 36 x 3 | 2-3/4 |

Round Tapered Steel Poles

Wind Capacity Chart

| POLE CATALOG NUMBER | NOM. MTG. "H" (ft.) | BOTTOM SHAFT SIZE "B" (in.) | TOP SHAFT SIZE "S" (in.) | SHAFT WALL THICKNESS | @ 80 MPH | | | | @ 90 MPH | | | | @ 100 MPH | | | | SHIP WT. (lb.) |
|---------------------------|---------------------------|-----------------------------------|--------------------------------|----------------------------|---------------------|------|------|------|---------------------|------|------|------|---------------------|------|------|------|----------------------|
| | | | | | LUMINAIRE WT. (lb.) | | | | LUMINAIRE WT. (lb.) | | | | LUMINAIRE WT. (lb.) | | | | |
| | | | | | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | |
| SRTPA 6.3-11-15 | 15 | 6.3 | 4.2 | 1/8 | 32.4 | 32.2 | 32.0 | 31.8 | 25.3 | 25.2 | 25.0 | 24.9 | 20.4 | 20.2 | 20.1 | 20.0 | 168# |
| SRTPA 6.3-11-20 | 20 | 6.3 | 3.5 | 1/8 | 22.9 | 22.6 | 22.2 | 21.9 | 17.6 | 17.3 | 17.0 | 16.8 | 13.9 | 13.7 | 13.4 | 13.2 | 199# |
| SRTPA 7.0-11-20 | 20 | 7.0 | 4.2 | 1/8 | 29.1 | 28.8 | 28.5 | 28.2 | 22.6 | 22.4 | 22.1 | 21.9 | 18.1 | 17.9 | 17.7 | 17.5 | 213# |
| SRTPA 7.0-11-25 | 25 | 7.0 | 3.5 | 1/8 | 21.6 | 21.1 | 20.7 | 20.2 | 16.4 | 16.1 | 15.7 | 15.4 | 12.9 | 12.6 | 12.3 | 12.0 | 246# |
| SRTPA 8.0-11-25 | 25 | 8.0 | 4.5 | 1/8 | 29.6 | 29.3 | 29.0 | 28.6 | 23.1 | 22.8 | 22.5 | 22.3 | 18.4 | 18.2 | 18.0 | 17.8 | 278# |
| SRTPA 8.0-11-30 | 30 | 8.0 | 3.8 | 1/8 | 20.6 | 20.2 | 19.8 | 19.3 | 15.7 | 15.4 | 15.0 | 14.7 | 12.4 | 12.1 | 11.8 | 11.5 | 316# |
| SRTPA 8.5-11-30 | 30 | 8.5 | 4.3 | 1/8 | 23.4 | 23.1 | 22.7 | 22.3 | 18.1 | 17.8 | 17.5 | 17.2 | 14.3 | 14.1 | 13.9 | 13.6 | 324# |
| SRTPA 8.5-11-35 | 35 | 8.5 | 3.6 | 1/8 | 18.1 | 17.6 | 17.1 | 16.5 | 13.6 | 13.2 | 12.7 | 12.3 | 10.5 | 10.2 | 9.8 | 9.5 | 363# |
| SRTPA 9.1-11-35 | 35 | 9.1 | 4.2 | 1/8 | 21.0 | 20.6 | 20.1 | 19.7 | 16.0 | 15.7 | 15.3 | 15.0 | 12.6 | 12.3 | 12.0 | 11.8 | 394# |
| SRTPA 9.1-11-40 | 40 | 9.1 | 3.5 | 1/8 | 16.4 | 15.8 | 15.2 | 14.6 | 12.1 | 11.6 | 11.1 | 10.7 | 9.2 | 8.8 | 8.4 | 8.0 | 434# |

The maximum EPAs as shown are based on the requirements found in AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994." When using wind speeds other than those based upon the fastest-mile design wind speed and its 1.3 gust coefficient, please contact Utility Metals for assistance.

To select a pole, first add the weights and EPAs of the mounting brackets and luminaires to get the combined load per pole. The wind speed is determined by local conditions. The mounting height can be determined by the luminaire manufacturer's specifications. Choose the wind speed category, then the column to the combined load in weight. Move down the column to the desired height, then to the first pole that exceeds the combined load EPA. This should be your best value. Remember the pole capacity must exceed the combined load in both weight and EPA.

Local soil conditions determine the type of foundation required for each pole.

The capacities shown are based on a 24" off center load. This is usually the most conservative configuration. We have extensive charts for other wind, weight and luminaire mounting. If we know your application, we can provide you with the most economical pole.

The pole capacity chart has been calculated with mounting at ground level and 1.3 gust factor included. No provisions have been made for banners, pendants, signs, flags, overhead wiring or other items that might be fastened to the pole

General Specifications

Round Tapered Steel Lighting Poles

- Shaft - 55,000 p.s.i. minimum yield
- Base covers
- Base plates - 36,000 p.s.i. minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap
- Four galvanized anchor bolts with galvanized hardware
- Anchor bolt templates included

Also Available...

- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Custom base plates to match existing anchor bolts
- Single/double GFI duplex receptacle with weatherproof cover
- Direct burial poles

Square Steel Direct Burial Poles

| POLE CATALOG NUMBER | OVERALL SHAFT LENGTH (ft.) "A" | ABOVE GROUND HT. (ft.) "H" | EMBEDDED LENGTH (ft.) "C" | SQUARE SHAFT SIZE (in.) "S" | SHAFT WALL THICKNESS (in.) | SHIP WEIGHT (lb.) |
|---------------------------|--------------------------------------|----------------------------------|---------------------------------|-----------------------------------|----------------------------------|-------------------------|
| DBSQP4-11-10 | 13 | 10 | 3 | 4 | 1/8 | 84# |
| DBSQP4-11-15 | 19 | 15 | 4 | 4 | 1/8 | 123# |
| DBSQP4-11-20 | 25 | 20 | 5 | 4 | 1/8 | 162# |
| DBSQP5-11-20 | 25 | 20 | 5 | 5 | 1/8 | 199# |
| DBSQP4-07-20 | 25 | 20 | 5 | 4 | 3/16 | 236# |
| DBSQP5-07-20 | 25 | 20 | 5 | 5 | 3/16 | 300# |
| DBSQP6-07-20 | 25 | 20 | 5 | 6 | 3/16 | 364# |
| DBSQP4-11-25 | 30 | 25 | 5 | 4 | 1/8 | 194# |
| DBSQP5-11-25 | 30 | 25 | 5 | 5 | 1/8 | 239# |
| DBSQP4-07-25 | 30 | 25 | 5 | 4 | 3/16 | 283# |
| DBSQP5-07-25 | 30 | 25 | 5 | 5 | 3/16 | 359# |
| DBSQP6-07-25 | 30 | 25 | 5 | 6 | 3/16 | 436# |
| DBSQP5-11-30 | 35 | 30 | 5 | 5 | 1/8 | 279# |
| DBSQP5-07-30 | 35 | 30 | 5 | 5 | 3/16 | 419# |
| DBSQP6-07-30 | 35 | 30 | 5 | 6 | 3/16 | 509# |
| DBSQP7-07-30 | 37 | 30 | 7 | 7 | 3/16 | 632# |
| DBSQP8-07-30 | 37 | 30 | 7 | 8 | 3/16 | 726# |
| DBSQP5-07-35 | 40 | 35 | 5 | 5 | 3/16 | 319# |
| DBSQP6-07-35 | 40 | 35 | 5 | 6 | 3/16 | 582# |
| DBSQP6-03-35 | 40 | 35 | 5 | 6 | 1/4 | 761# |

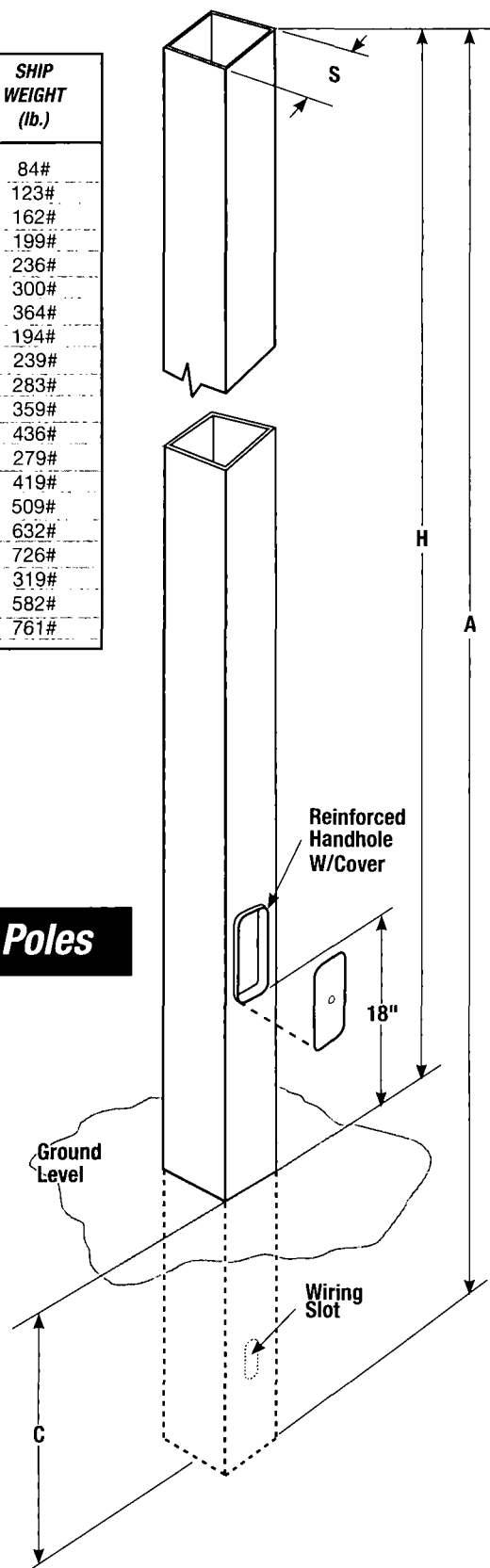
General Specifications

Square Steel Direct Burial Poles

- Shaft - 55,000 p.s.i minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap

Also Available...

- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Custom base plates to match existing anchor bolts
- Single/double GFI duplex receptacle with weatherproof cover



Square Steel Direct Burial Poles

Wind Capacity Chart

| POLE CATALOG NUMBER | @ 80 MPH LUMINAIRE WT. (lb.) | | | | @ 90 MPH LUMINAIRE WT. (lb.) | | | | @ 100 MPH LUMINAIRE WT. (lb.) | | | |
|---------------------------|---------------------------------|------|------|------|---------------------------------|------|------|------|----------------------------------|------|------|------|
| | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 |
| DBSQP4-11-10 | 24.9 | 24.5 | 24.0 | 23.6 | 19.2 | 18.9 | 18.5 | 18.1 | 15.2 | 14.9 | 14.6 | 14.3 |
| DBSQP4-11-15 | 11.9 | 11.6 | 11.3 | 11.1 | 8.8 | 8.6 | 8.3 | 8.1 | 6.6 | 6.4 | 6.2 | 6.0 |
| DBSQP4-11-20 | 6.8 | 6.6 | 6.3 | 6.1 | 4.5 | 4.3 | 4.1 | 3.9 | 2.8 | 2.7 | 2.5 | 2.4 |
| DBSQP5-11-20 | 10.2 | 10.0 | 9.8 | 9.6 | 6.9 | 6.7 | 6.5 | 6.3 | 4.5 | 4.3 | 4.2 | 4.0 |
| DBSQP4-07-20 | 13.7 | 13.4 | 13.0 | 12.7 | 10.0 | 9.7 | 9.4 | 9.1 | 7.3 | 7.0 | 6.8 | 6.6 |
| DBSQP5-07-20 | 23.8 | 23.5 | 23.2 | 22.8 | 17.7 | 17.4 | 17.2 | 16.9 | 13.3 | 13.1 | 12.9 | 12.7 |
| DBSQP6-07-20 | 31.8 | 31.5 | 31.2 | 30.9 | 23.8 | 23.5 | 23.3 | 23.1 | 18.0 | 17.8 | 17.7 | 17.5 |
| DBSQP4-11-25 | 3.2 | 3.0 | 2.7 | 2.5 | 1.4 | 1.2 | 1.0 | 0.8 | - | - | - | - |
| DBSQP5-11-25 | 5.2 | 5.0 | 4.8 | 4.6 | 2.5 | 2.4 | 2.2 | 2.0 | 0.6 | 0.5 | 0.4 | 0.2 |
| DBSQP4-07-25 | 8.6 | 8.2 | 7.8 | 7.5 | 5.6 | 5.3 | 5.0 | 4.8 | 3.5 | 3.2 | 3.0 | 2.8 |
| DBSQP5-07-25 | 16.1 | 15.8 | 15.5 | 15.1 | 11.3 | 11.0 | 10.8 | 10.5 | 7.8 | 7.6 | 7.4 | 7.2 |
| DBSQP6-07-25 | 22.0 | 21.8 | 21.5 | 21.2 | 15.7 | 15.4 | 15.2 | 15.0 | 11.1 | 10.9 | 10.7 | 10.5 |
| DBSQP5-11-30 | 1.1 | 0.9 | 0.7 | 0.5 | - | - | - | - | - | - | - | - |
| DBSQP5-07-30 | 9.3 | 9.0 | 8.7 | 8.4 | 5.7 | 5.5 | 5.2 | 5.0 | 3.1 | 2.9 | 2.7 | 2.5 |
| DBSQP6-07-30 | 13.4 | 13.1 | 12.8 | 12.6 | 8.6 | 8.4 | 8.2 | 7.9 | 5.1 | 5.0 | 4.8 | 4.6 |
| DBSQP7-07-30 | 16.6 | 16.5 | 16.3 | 16.1 | 10.8 | 10.6 | 10.4 | 10.2 | 6.6 | 6.5 | 6.3 | 6.2 |
| DBSQP8-07-30 | 22.4 | 22.3 | 22.1 | 22.0 | 14.8 | 14.6 | 14.5 | 14.4 | 9.3 | 9.2 | 9.1 | 9.0 |
| DBSQP5-07-35 | 4.8 | 4.4 | 4.1 | 3.8 | 1.8 | 1.5 | 1.2 | 1.0 | - | - | - | - |
| DBSQP6-07-35 | 7.7 | 7.5 | 7.2 | 6.9 | 3.7 | 3.5 | 3.3 | 3.0 | 0.8 | 0.6 | 0.5 | 0.3 |
| DBSQP6-03-35 | 16.8 | 16.5 | 16.2 | 15.9 | 10.9 | 10.6 | 10.4 | 10.1 | 6.6 | 6.4 | 6.2 | 6.0 |

The maximum EPAs as shown are based on the requirements found in AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994." When using wind speeds other than those based upon the fastest-mile design wind speed and its 1.3 gust coefficient, please contact Utility Metals for assistance.

To select a pole, first add the weights and EPAs of the mounting brackets and luminaires to get the combined load per pole. The wind speed is determined by local conditions. The mounting height can be determined by the luminaire manufacturer's specifications. Choose the wind speed category, then the column to the combined load in weight. Move down the column to the desired height, then to the first pole that exceeds the combined load EPA. This should be your best value. Remember the pole capacity must exceed the combined load in both weight and EPA.

Local soil conditions determine the type of foundation required for each pole.

The capacities shown are based on a 24" off center load. This is usually the most conservative configuration. We have extensive charts for other wind, weight and luminaire mounting. If we know your application, we can provide you with the most economical pole.

The pole capacity chart has been calculated with mounting at ground level and 1.3 gust factor included. No provisions have been made for banners, pendants, signs, flags, overhead wiring or other items that might be fastened to the pole

Round Steel Direct Burial Poles

| POLE CATALOG NUMBER | OVERALL SHAFT LGTH. (ft.) "A" | ABOVE GROUND HT. (ft.) "H" | EMBEDDED LENGTH (ft.) "C" | ROUND SHAFT SIZE (in.) | SHAFT WALL THICKNESS (in.) | SHIP WEIGHT (lb.) |
|---------------------------|-------------------------------------|----------------------------------|---------------------------------|------------------------------|----------------------------------|-------------------------|
| DBSRP3-7-10 | 13 | 10 | 3 | 3 | 3/16 | 74# |
| DBSRP4-7-10 | 13 | 10 | 3 | 4 | 3/16 | 100# |
| DBSRP3-7-15 | 20 | 15 | 5 | 3 | 3/16 | 113# |
| DBSRP4-7-15 | 20 | 15 | 5 | 4 | 3/16 | 153# |
| DBSRP4-7-20 | 25 | 20 | 5 | 4 | 3/16 | 192# |
| DBSRP5-7-20 | 25 | 20 | 5 | 5 | 3/16 | 242# |
| DBSRP4-7-25 | 30 | 25 | 5 | 4 | 3/16 | 230# |
| DBSRP5-7-25 | 30 | 25 | 5 | 5 | 3/16 | 290# |
| DBSRP5-7-30 | 35 | 30 | 5 | 5 | 3/16 | 339# |

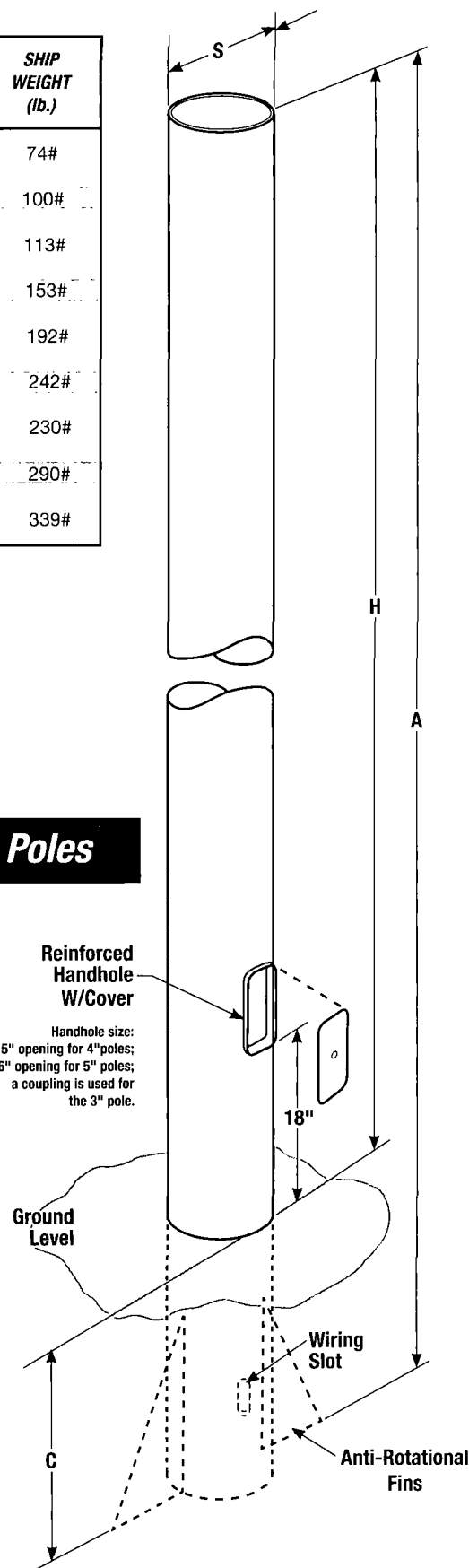
General Specifications

Round Steel Direct Burial Poles

- Shaft -38,000 p.s.i. minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap

Also Available...

- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Custom base plates to match existing anchor bolts
- Single/double GFI duplex receptacle with weatherproof cover



Round Steel Direct Burial Poles

Wind Capacity Chart

| POLE CATALOG NUMBER | @ 80 MPH LUMINAIRE WT. (lb.) | | | | @ 90 MPH LUMINAIRE WT. (lb.) | | | | @ 100 MPH LUMINAIRE WT. (lb.) | | | |
|---------------------------|---------------------------------|------|------|------|---------------------------------|------|------|------|----------------------------------|------|------|------|
| | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 |
| DBSRP3-7-10 | 13.0 | 12.8 | 12.6 | 12.4 | 10.0 | 9.8 | 9.7 | 9.5 | 7.8 | 7.7 | 7.6 | 7.5 |
| DBSRP4-7-10 | 25.0 | 24.4 | 24.3 | 24.1 | 19.1 | 19.0 | 18.9 | 18.7 | 15.2 | 15.1 | 15.0 | 14.9 |
| DBSRP3-7-15 | 6.0 | 5.8 | 5.5 | 5.3 | 4.4 | 4.2 | 4.0 | 3.8 | 3.2 | 3.1 | 3.0 | 2.8 |
| DBSRP4-7-15 | 12.2 | 12.0 | 11.8 | 11.7 | 9.1 | 9.0 | 8.9 | 8.7 | 7.1 | 7.0 | 6.9 | 6.8 |
| DBSRP4-7-20 | 7.4 | 7.2 | 7.0 | 6.8 | 5.2 | 5.0 | 4.8 | 4.7 | 3.7 | 3.6 | 3.5 | 3.3 |
| DBSRP5-7-20 | 13.4 | 13.3 | 13.1 | 12.9 | 10.4 | 10.2 | 10.1 | 9.9 | 8.2 | 8.1 | 8.0 | 7.8 |
| DBSRP4-7-25 | 4.1 | 3.8 | 3.5 | 3.2 | 2.3 | 2.1 | 1.9 | 1.7 | 1.3 | 1.1 | 0.9 | 0.7 |
| DBSRP5-7-25 | 8.6 | 8.4 | 8.2 | 7.9 | 6.5 | 6.3 | 6.1 | 5.9 | 5.0 | 4.8 | 4.7 | 4.5 |
| DBSRP5-7-30 | 4.4 | 4.2 | 3.9 | 3.7 | 3.1 | 2.9 | 2.7 | 2.5 | 2.2 | 2.1 | 1.9 | 1.7 |

The maximum EPAs as shown are based on the requirements found in AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994." When using wind speeds other than those based upon the fastest-mile design wind speed and its 1.3 gust coefficient, please contact Utility Metals for assistance.

To select a pole, first add the weights and EPAs of the mounting brackets and luminaires to get the combined load per pole. The wind speed is determined by local conditions. The mounting height can be determined by the luminaire manufacturer's specifications. Choose the wind speed category, then the column to the combined load in weight. Move down the column that exceeds the desired height, then to the first pole that exceeds the combined load EPA. This should be your best value. Remember the pole capacity must exceed the combined load in both weight and EPA.

Local soil conditions determine the type of foundation required for each pole.

The capacities shown are based on a 24" off center load. This is usually the most conservative configuration. We have extensive charts for other wind, weight and luminaire mounting. If we know your application, we can provide you with the most economical pole.

The pole capacity chart has been calculated with mounting at ground level and 1.3 gust factor included. No provisions have been made for banners, pendants, signs, flags, overhead wiring or other items that might be fastened to the pole

Round Tapered Steel Direct Burial Poles

| POLE CATALOG NUMBER | OVERALL SHAFT LGTH. (ft.) "A" | ABOVE GROUND HT. (ft.) "H" | EMBEDDED LENGTH (ft.) "C" | TOP TAPERED SHAFT SIZE (in.) "S" | BOTTOM TAPERED SIZE (in.) "B" | SHIP WEIGHT (lb.) |
|---------------------------|-------------------------------------|----------------------------------|---------------------------------|--|-------------------------------------|-------------------------|
| DBSRTPA 6.3-11-15 | 20 | 15 | 5 | 3.5 | 6.3 | 124# |
| DBSRTPA 7.0-11-20 | 25 | 20 | 5 | 3.5 | 7.0 | 166# |
| DBSRTPA 8.0-11-25 | 30 | 25 | 5 | 3.8 | 8.0 | 255# |
| DBSRTPA 8.5-11-30 | 35 | 30 | 5 | 3.6 | 8.5 | 269# |
| DBSRTPA 9.1-11-33 | 40 | 33 | 7 | 3.5 | 9.1 | 320# |

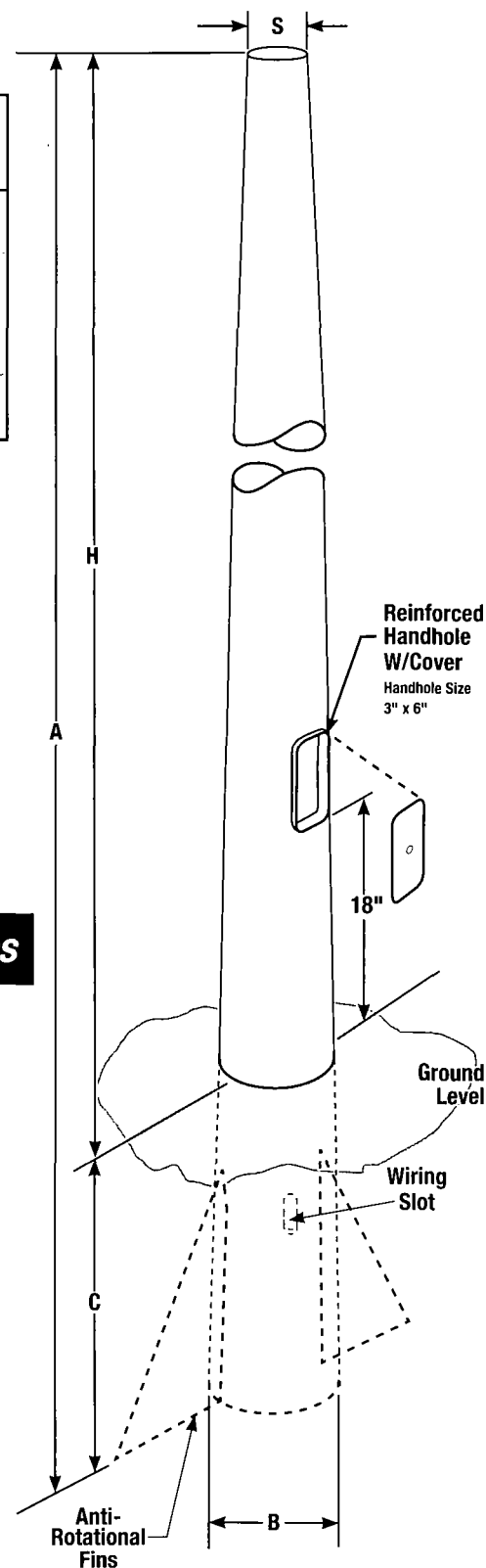
General Specifications

Round Tapered Steel Direct Burial Poles

- Shaft - 55,000 p.s.i. minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap

Also Available...

- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Single/double GFI duplex receptacle with weatherproof cover



Round Tapered Steel Direct Burial Poles

Wind Capacity Chart

| POLE CATALOG NUMBER | @ 80 MPH LUMINAIRE WT. (lb.) | | | | @ 90 MPH LUMINAIRE WT. (lb.) | | | | @ 100 MPH LUMINAIRE WT. (lb.) | | | |
|---------------------------|---------------------------------|------|------|------|---------------------------------|------|------|------|----------------------------------|------|------|------|
| | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 | 50 | 100 | 150 | 200 |
| DBSRTPA 6.3-11-15 | 32.4 | 32.2 | 32.0 | 31.8 | 25.3 | 25.2 | 25.0 | 24.9 | 20.4 | 20.2 | 20.1 | 20.0 |
| DBSRTPA 7.0-11-20 | 29.1 | 28.8 | 28.5 | 28.2 | 22.6 | 22.4 | 22.1 | 21.9 | 18.1 | 17.9 | 17.7 | 17.5 |
| DBSRTPA 8.0-11-25 | 29.6 | 29.3 | 29.0 | 28.6 | 23.1 | 22.8 | 22.5 | 22.3 | 18.4 | 18.2 | 18.0 | 17.8 |
| DBSRTPA 8.5-11-30 | 23.4 | 23.1 | 22.7 | 22.3 | 18.1 | 17.8 | 17.5 | 17.2 | 14.3 | 14.1 | 13.9 | 13.6 |
| DBSRTPA 9.1-11-33 | 23.2 | 22.8 | 22.4 | 22.1 | 17.9 | 17.6 | 17.3 | 17.0 | 14.1 | 13.9 | 13.6 | 13.4 |

The maximum EPAs as shown are based on the requirements found in AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994." When using wind speeds other than those based upon the fastest-mile design wind speed and its 1.3 gust coefficient, please contact Utility Metals for assistance.

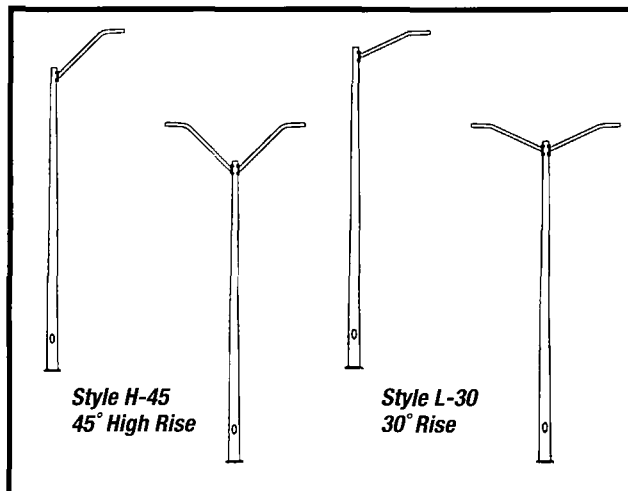
To select a pole, first add the weights and EPAs of the mounting brackets and luminaires to get the combined load per pole. The wind speed is determined by local conditions. The mounting height can be determined by the luminaire manufacturer's specifications. Choose the wind speed category, then the column to the combined load in weight. Move down the column to the desired height, then to the first pole that exceeds the combined load EPA. This should be your best value. Remember the pole capacity must exceed the combined load in both weight and EPA.

Local soil conditions determine the type of foundation required for each pole.

The capacities shown are based on a 24" off center load. This is usually the most conservative configuration. We have extensive charts for other wind, weight and luminaire mounting. If we know your application, we can provide you with the most economical pole.

The pole capacity chart has been calculated with mounting at ground level and 1.3 gust factor included. No provisions have been made for banners, pendants, signs, flags, overhead wiring or other items that might be fastened to the pole

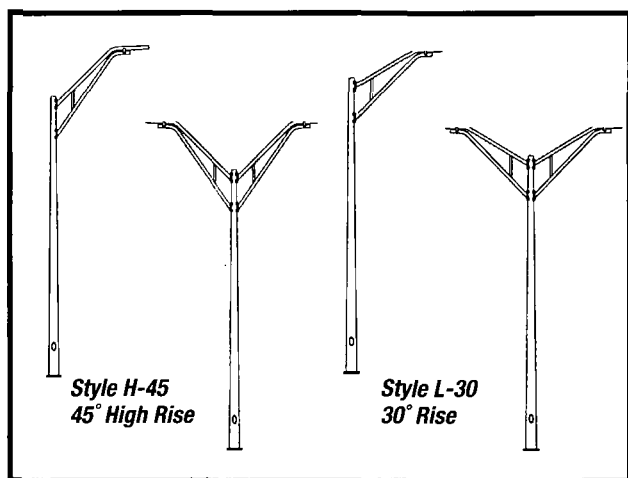
Round Tapered Steel Poles



Single Arm Lengths 4' to 8'

Mounting Heights From 20' to 45'

| Pole Catalog Number | Maximum Mounting Height |
|---------------------------|-------------------------------|
| SRTPA6.3-11-20-WA | 25' |
| SRTPA7.0-11-25-WA | 30' |
| SRTPA8.0-11-30-WA | 35' |
| SRTPA8.5-11-35-WA | 40' |
| SRTPA9.1-11-40-WA | 45' |



Truss Arm Lengths 10' to 15'

Mounting Heights From 20' to 45'

| Pole Catalog Number | Maximum Mounting Height |
|---------------------------|-------------------------------|
| SRTPA6.3-11-20-WTA | 25' |
| SRTPA7.0-11-25-WTA | 30' |
| SRTPA8.0-11-30-WTA | 35' |
| SRTPA8.5-11-35-WTA | 40' |
| SRTPA9.1-11-40-WTA | 45' |

General Specifications

- Shaft - 55,000 p.s.i. minimum yield
- Base covers
- Base plates - 36,000 p.s.i. minimum yield
- Reinforced handhole with grounding lug and removable cover
- Top tenon or drill pattern with removable pole cap
- Four galvanized anchor bolts with galvanized hardware
- Anchor bolt templates included
- Single arms and truss arms must be ordered separately
- Use Round tapered steel Pole Capacity Chart to determined loading limits

Round Tapered Lighting Poles

Also Available...

- Various standard powdercoat finishes available, wrapped to help prevent damage during shipment
- Hot dip galvanizing
- Primer finish
- Special colors available in acrylic enamel or powdercoat at an additional charge
- Custom base plates to match existing anchor bolts
- Single/double GFI duplex receptacle with weatherproof cover
- Direct burial poles

Wind Velocity Map

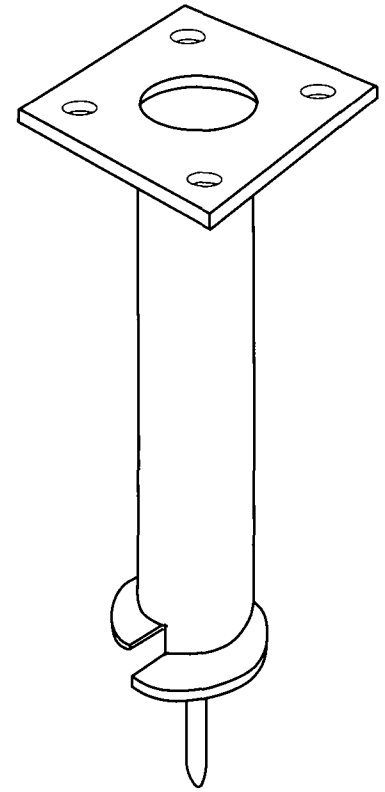
This map shows the 50-year mean recurrence of maximum steady winds at an elevation of 30 feet above ground and can be used as an aid in selecting a pole with a geographic location. The luminaire EPA and weight capacities within these locations are shown throughout this catalog.



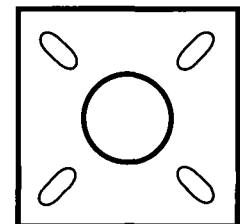
From Standard Specifications of Structural Supports for Highway Signs, Luminaries, and Traffic Signals. Copyright 2001, by the American Association of State Highway and Transportation Officials, Washington, D.C. Used by permission. www.aashto.org

Helix Foundations

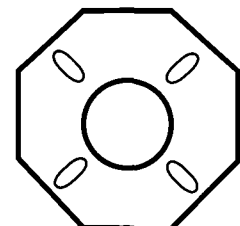
| Catalog Number | Specifications |
|----------------|---|
| UM-SLSF-6-5 | 6" body x .250 wall x 5' long helix; 12" square 1" plate having a 9" - 14" slotted bolt circle; (2) 2-1/2" x 12" cableways |
| UM-SLSF-8-5 | 8" body x .250 wall x 5' long helix; 15-3/4" square 1" plate having a 11" - 17" slotted bolt circle; (2) 2-1/2" x 12" cableways |
| UM-SLSF-8-7 | 8" body x .250 wall x 7' long helix; 15" square 1" plate having a 10" - 16" slotted bolt circle; (2) 2" x 3" x 24" cableways |
| UM-SLSF-6-4 | 6" body x .250 wall x 4' long helix |
| UM-SLSF-6-6 | 6" body x .250 wall x 6' long helix |
| UM-SLSF-6-7 | 6" body x .250 wall x 7' long helix |
| UM-SLSF-8-4 | 8" body x .250 wall x 4' long helix |
| UM-SLSF-8-6 | 8" body x .250 wall x 6' long helix |
| UM-SLSF-8-8 | 8" body x .250 wall x 8' long helix |
| UM-SLSF-10-6 | 10" body x .250 wall x 6' long helix |
| UM-SLSF-10-7 | 10" body x .250 wall x 7' long helix |
| UM-SLSF-10-8 | 10" body x .250 wall x 8' long helix |
| UM-SLSF-10-9 | 10" body x .250 wall x 9' long helix |
| UM-SLSF-10-10 | 10" body x .250 wall x 10' long helix |



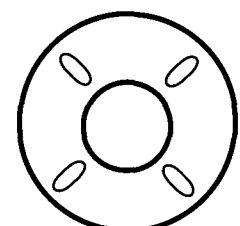
Bolt Circle
Drilled or Tapped



Square



Octagonal



Round

General Specifications

Base Plates:

- ASTM A36
- Square, octagonal or round
- Slotted, drilled or tapped bolt circles
- Accepts 1" x 4" hardware
(not included unless specified)

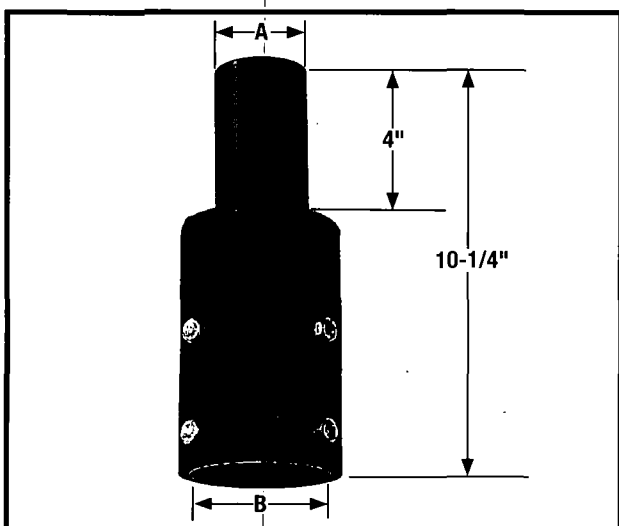
Body:

- ASTM A53B
- Sizes - 2" - 14"
- Lengths - 3' - 12'
- Helix - 3" - 18"

Cableways are provided. Hot dipped galvanized after fabrication per ASTM A123 AASHTO M111

External Tenon Reducer for Round

Pole Top Mounting



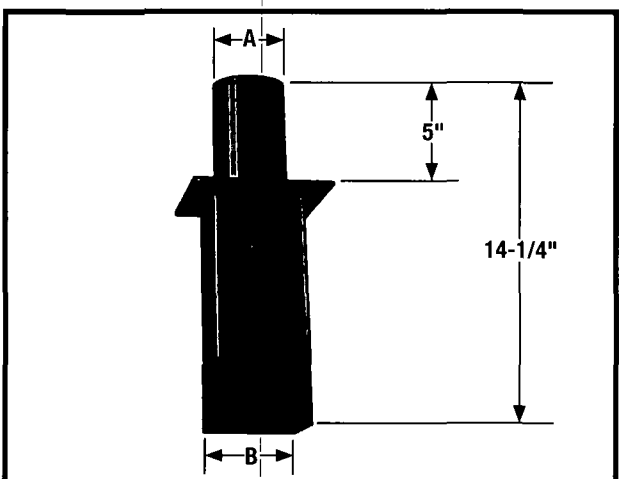
- Custom sizes can be manufactured for specific applications
- Shipped with mounting hardware assembled
- External mounting
- Finish: Red primer, stock colors available upon request
- For Hot Dip Galvanized, substitute "G" in place of "P"

Steel

| Catalog Number | A (O.D) | B (I.D.) | Wt/LBS |
|----------------|---------|-----------------------------------|--------|
| ◆ TR-30-2P | 2-3/8" | 3-1/4" for 3" O.D. pole top | 9 |
| ◆ TR-35-2P | 2-3/8" | 3-13/16" for 3-1/2" O.D. pole top | 10 |
| ◆ TR-40-2P | 2-3/8" | 4-1/4" for 4" O.D. pole top | 9 |
| TR-40-3P | 2-7/8" | 4-1/4" for 4" O.D. pole top | 10 |

Internal Tenon Adapter for Square Poles

Pole Top Mounting



- Custom sizes can be manufactured for specific applications
- Shipped with mounting hardware assembled
- Internal mounting
- Finish: Dark Bronze "DB" or Primer "P"
- For Hot Dip Galvanized, substitute "G"

Steel

| Catalog Number | A (O.D) | B | Wt/LBS |
|----------------------------------|---------|----|--------|
| ◆ RTASQ-4-2DB for 4" square pole | 2-3/8" | 3" | 7 |
| ◆ RTASQ-5-2DB for 5" square pole | 2-3/8" | 4" | 9 |
| ◆ RTASQ-6-2DB for 6" square pole | 2-3/8" | 5" | 14 |
| RTASQ-4-3.5P for 4" square pole | 3-1/2" | 3" | 9 |
| RTASQ-5-3.5P for 5" square pole | 3-1/2" | 4" | 9 |
| RTASQ-6-3.5P for 6" square pole | 3-1/2" | 5" | 14 |

◆ Indicates stock item (in limited quantity).

Speciality Poles

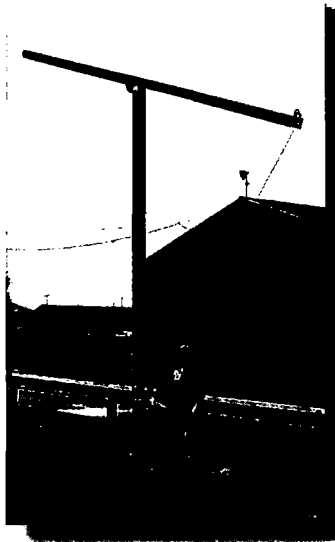
w/ Breakaway Base

Pedestrian Pole



TS-1000L

Traffic Signal Pedestal Base



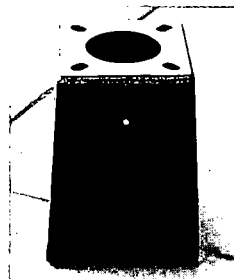
***Hinged Pole with
Removable Hand Winch
for easy maintenance***



***Camera/Surveillance
Poles***

Base Plate Adapter for Poles

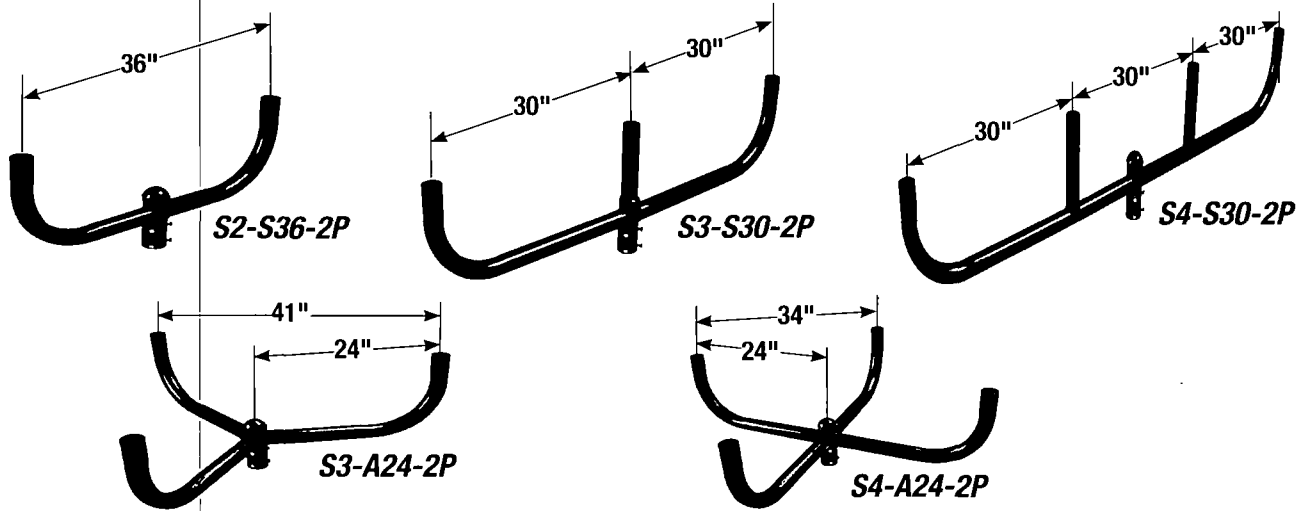
- ***Custom Adapter Plates Available
Consult factory for special
application and bolt circle
requirements***



***Custom Steel Transformer
Non Breakaway Base***

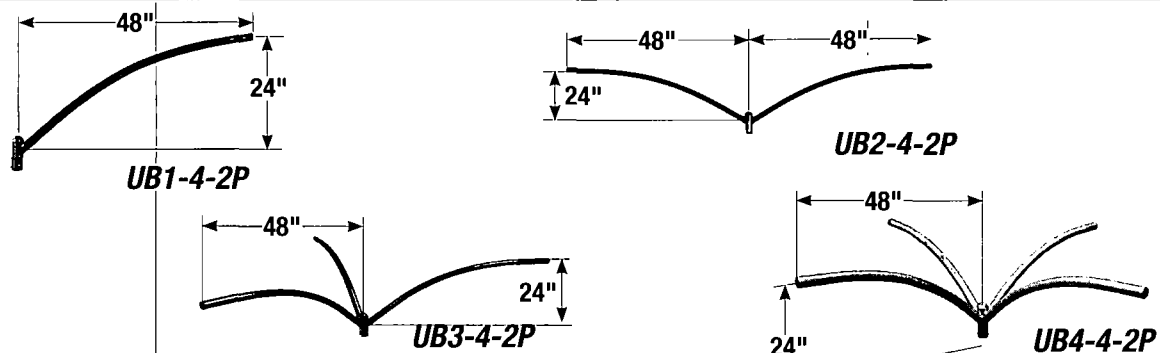
Bullhorn Brackets

Pole Top Mounting



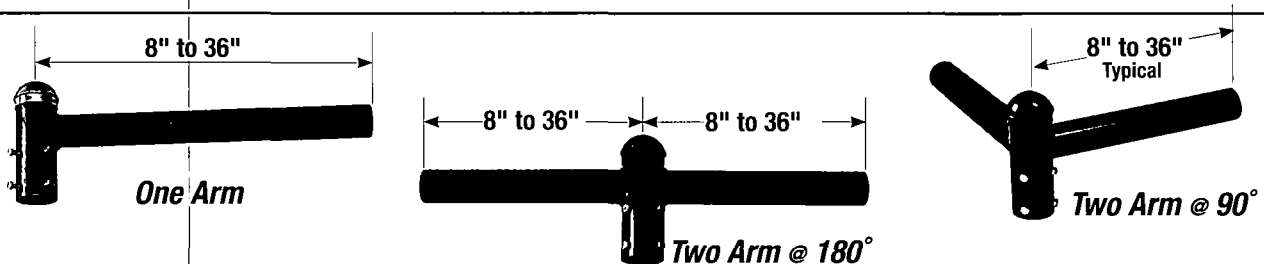
Upsweep Brackets

Pole Top Mounting



Spoke Brackets

Pole Top Mounting



Also Available: Three Arm @ 90°, Three Arm @ 120°, Four Arm @ 90°

A substantial inventory of Mast Arms and Brackets are in stock for immediate shipment. Call 800.627.8276 for a complete catalog of brackets available from Utility Metals, or visit us at www.utilitymetals.com

Terms and Conditions

Warranty

Utility Metals warrants all goods of our manufacture to be free from defects in material and workmanship under normal use and service. Any goods found to be defective, upon examination by us, within 12 months from date of shipment, shall be repaired or replaced by us without charge, FOB factory within the continental United States. All export taxes, fees and duties occurring from warranty shipments beyond the continental United States will be the customer's responsibility.

This warranty shall be null and void and of no effect unless we are notified of such defect, all within 12 months from the date of shipment. Such notification shall be directed to the office of Utility Metals. No goods shall be returned without prior written approval.

Explicitly excluded from the warranty are: special finishes and labor required to remove and/or reinstall original or replacement parts.

This warrant does not cover damage caused by improper installation, overloading, accident, improper storage, or neglect, alterations, modifications, or additions.

Utility Metals warrant the items purchased from other manufacturers only to the extent of the normal warranty of these manufacturers.

The above warranties are given in lieu of all other warranties expressed or implied, including without limitations, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly agreed that Utility Metals assumes no liability for liquidated damages arising out of a breach of contract, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above.

Quotations

Prices quoted are subject to receipt and acceptance of order within 14 days of the date of the quotation unless otherwise noted on quote.

Orders

All orders including any change orders, must include a written purchase order within 24 hours of request.

Taxes

Utility Metals reserves the right to add sales tax, or any other tax, which may be imposed on our products, as required by law. All shipments into the State of Kentucky will carry the current state sales tax unless a resale certificate of the State of Kentucky is on file at Utility Metals.

Terms Of Payment

Payment terms are net 30 days to established customers. New customers must furnish credit references before credit can be issued. A credit line will be based on credit reference information received by Utility Metals.

Cancellations

Written consent from Utility Metals must be obtained prior to the cancellation on any order. Cancellation charges may apply.

Returned Goods

Prior written authorization from Utility Metals must be obtained before credit on returned goods will be given. Returns shall be subject to restocking charge and must be returned to Utility Metals freight "prepaid."

Restocking

Subject to a 20% restocking charge of the total selling price, Utility Metals will accept returned product for credit or exchange subject to the following conditions.

1. The return product is Utility Metals standard stock and returned with prior approval.
2. Utility Metals reserves the right to refuse acceptance of returned product which is not in an "as new" condition or which has been altered or modified to meet buyers special requirements. Utility Metals reserves the right to refuse the return of product which may cause excessively high inventories.
3. Material returned to Utility Metals for restocking will be at the Buyer's expense and risk.

Loss or Damage in Transit

Utility Metals shall not be liable for loss or damage in transit. The following steps must be taken to ensure proper handling of loss or damage claim.

1. Products received freight prepaid must be checked against the packing list to ensure all items were delivered. In case of shortages, note on the carrier's paperwork. "Shipments Received Short." If shortage is not discovered upon receipt, in order to report loss in transit to the carrier, Utility Metals must be notified of shortage within 24 hours of receipt to ensure a claim for loss can be filed. Shortages reported later than 24 hours carry no guarantee of replacement/ credit.
2. Products received freight prepaid must be checked for damage upon receipt. In the case of damage observed upon delivery, note on carrier's paperwork "Received with Damage". Contact Utility Metals immediately. In the case of concealed damage, Utility Metals must be notified within 24 hours of receipt in order to report concealed damage to the carrier. Failure to report concealed damage within 24 hours may result in loss of repair costs/replacement of product.
3. Products received freight collect must be checked for damage upon receipt. In case of damage observed upon delivery, note on carrier's paperwork "Received with Damage," Utility Metals will not be responsible for any damage or loss of collect shipments. Freight claims rest solely with the consignee.

Deliveries

Delivery dates are estimated dates only, unless otherwise specified. Delivery dates are estimated from the date of receipt by Utility Metals of purchase order, complete technical data, and approval drawings.

In estimating such dates, no allowance will be made, nor shall we be liable directly or indirectly, for delays of carriers or delays from labor difficulties, shortages, strikes or stoppages of any sort, fires, accidents, failure or delay in obtaining materials or manufacturing facilities, acts of government affecting us directly or indirectly, bad weather or any causes beyond our control or causes designated as Acts of God or forces of nature by any court of law. The estimated delivery dates shall be extended accordingly. We will not be liable for any damages or penalties, whatsoever, whether direct, indirect, special or consequential, resulting from our failure to perform or delay in performing unless otherwise agreed in writing by an authorized officer of Utility Metals.

For special designs and/or applications not shown in our catalogs, please consult Utility Metals.



20

Visit our other divisions:



www.fabricatedmetals.com



www.strong-hold.com



Utility Metals
P.O. Box 9054
Louisville, KY 40209

800•627•8276
502•363•6681
502•368•2656 Fax

A Division of Fabricated Metals LLC

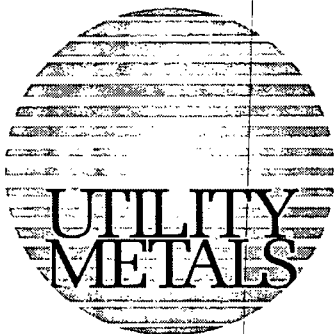
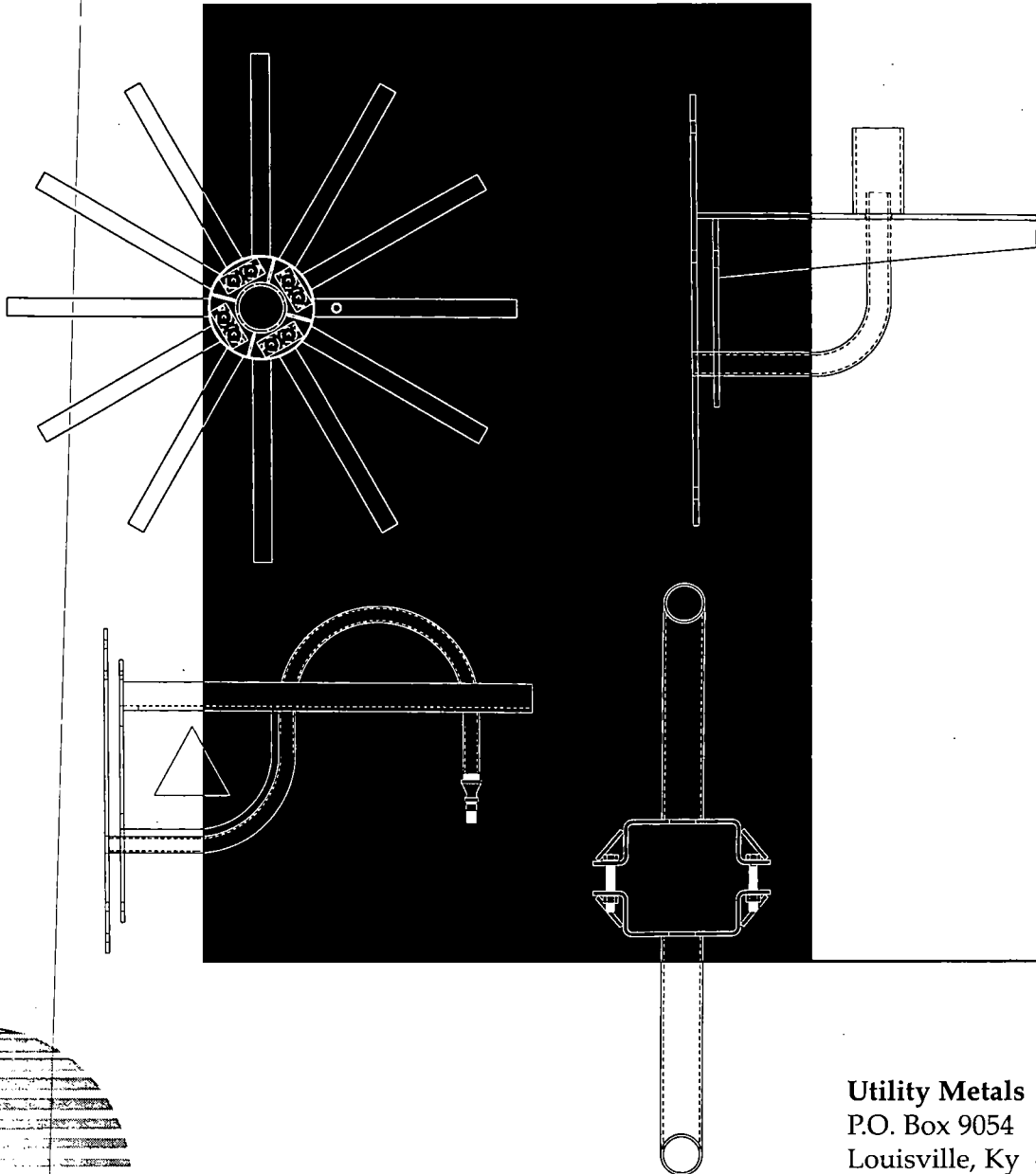
www.utilitymetals.com

DECORATIVE
CASTINGS

CUSTOM
FABRICATION



CUSTOM FABRICATION



Utility Metals
P.O. Box 9054
Louisville, Ky 40209

800-627-8276
502-363-6681
502-368-2656 FAX
www.utilitymetals.com

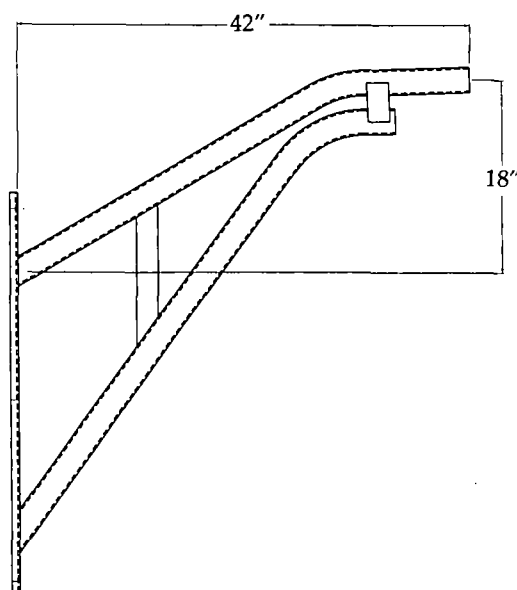
*A division of
Fabricated Metals LLC*

CF-1

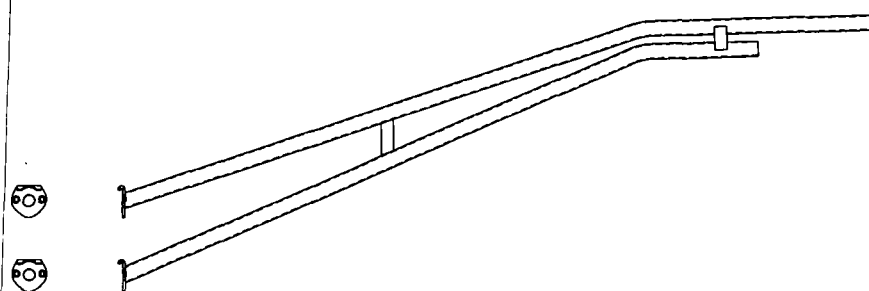
Presented on the following pages are various custom products fabricated by Utility Metals. Our state-of-the-art design programs, drafting system and software allows us to meet your specifications. We provide solutions to your most complex applications with designs to meet your individual requirements.

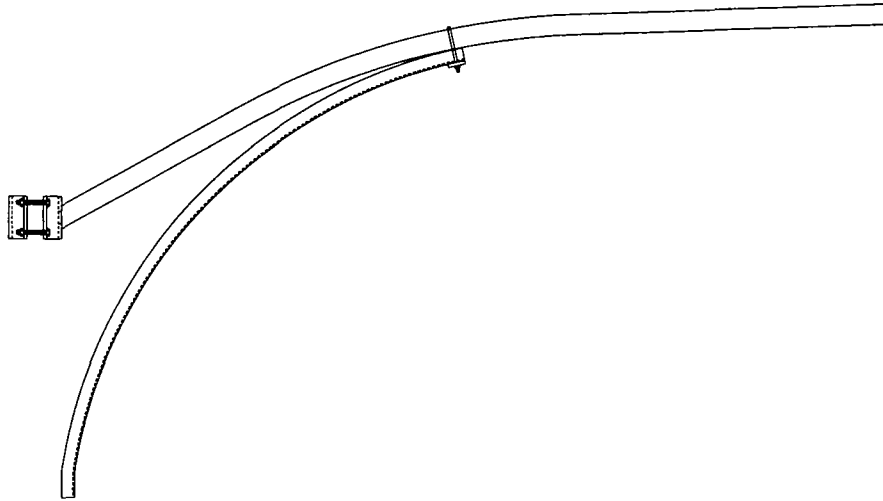
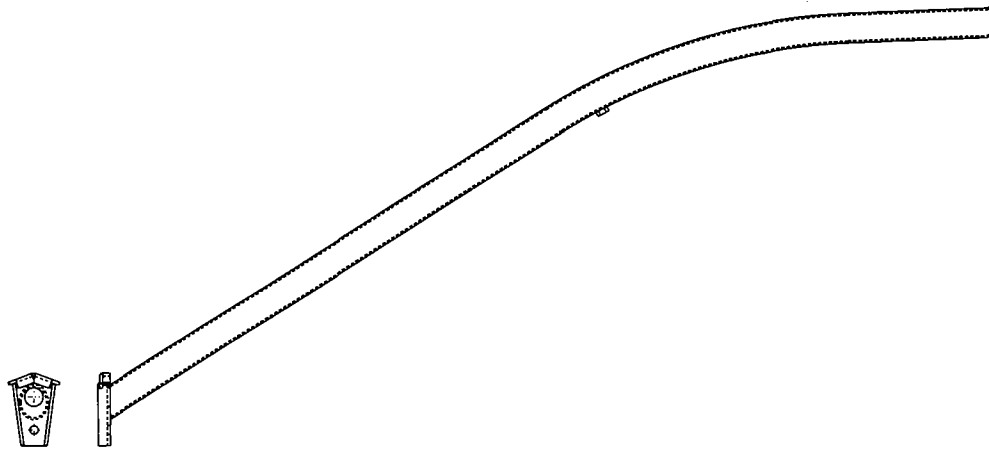
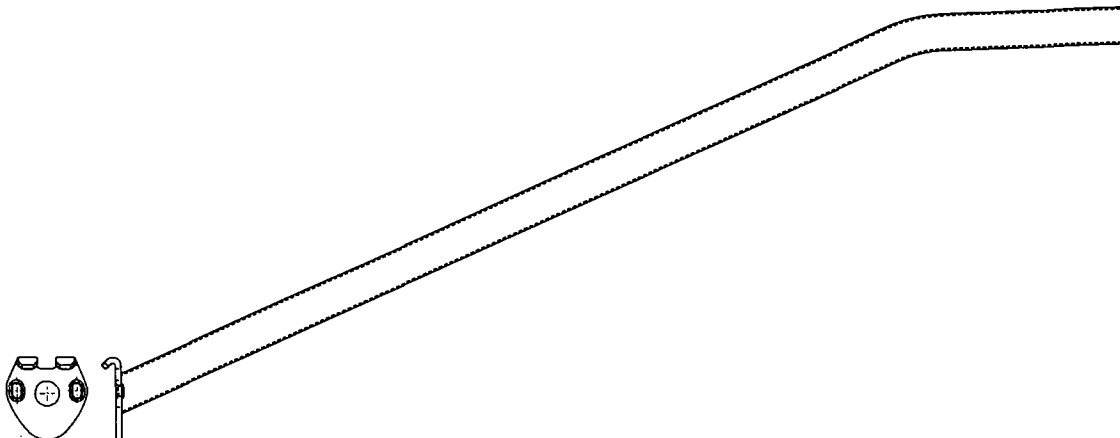
Our knowledgeable sales staff, experienced work force, and innovative processes allow us to meet your needs on any size project.

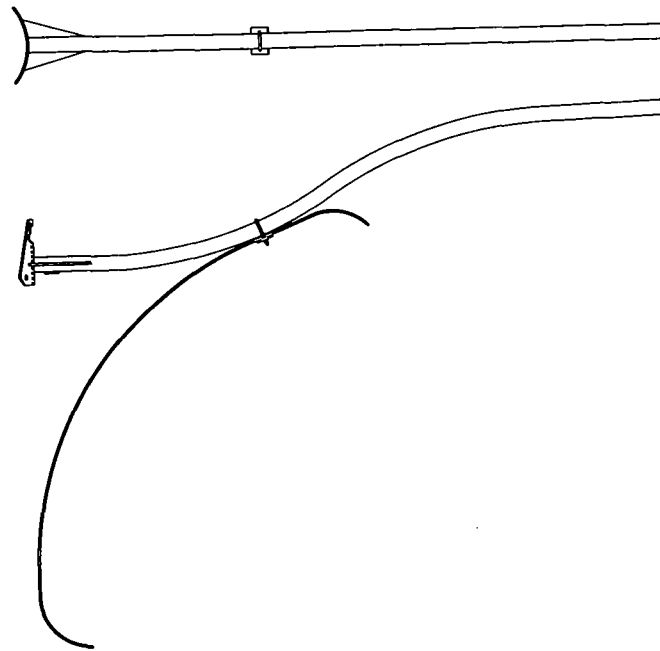
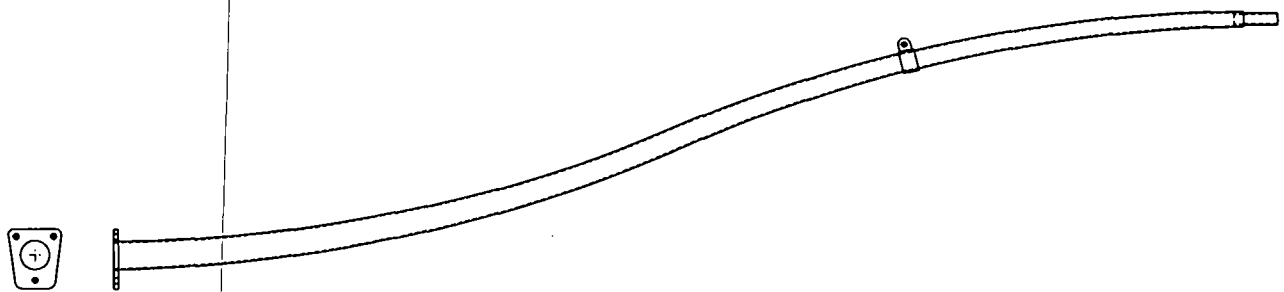
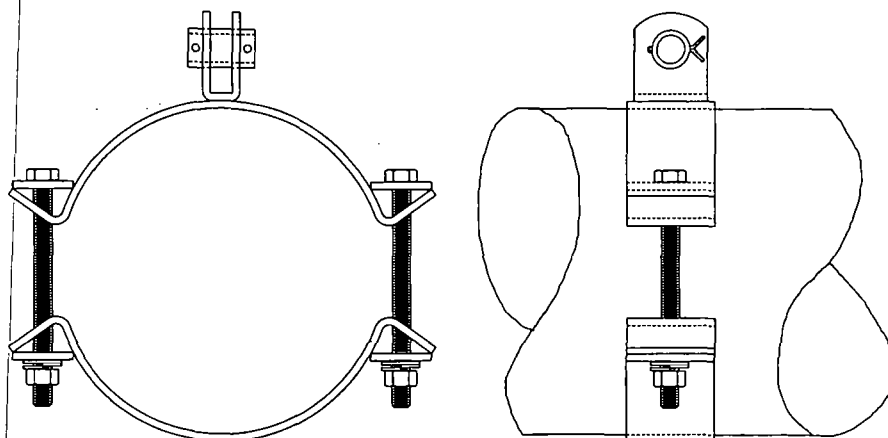
TRUSS BRACKETS FOR SQUARE POLE MOUNTING

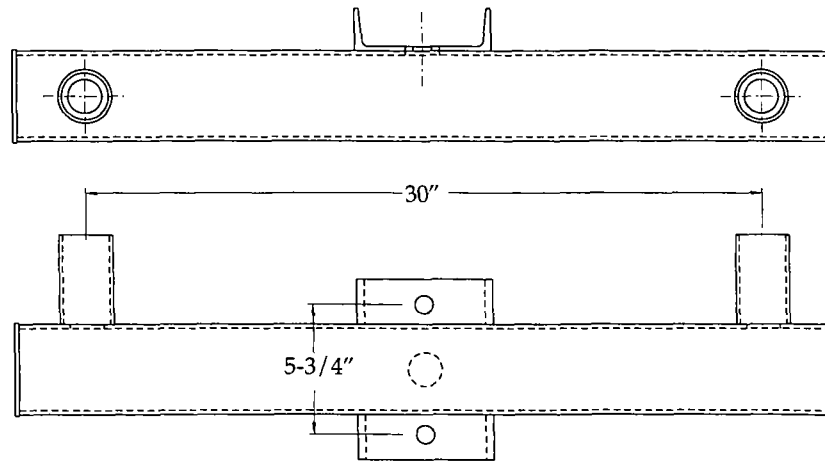
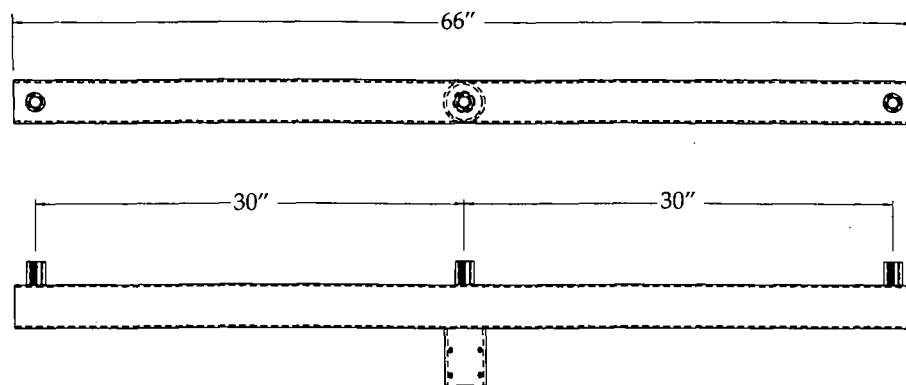
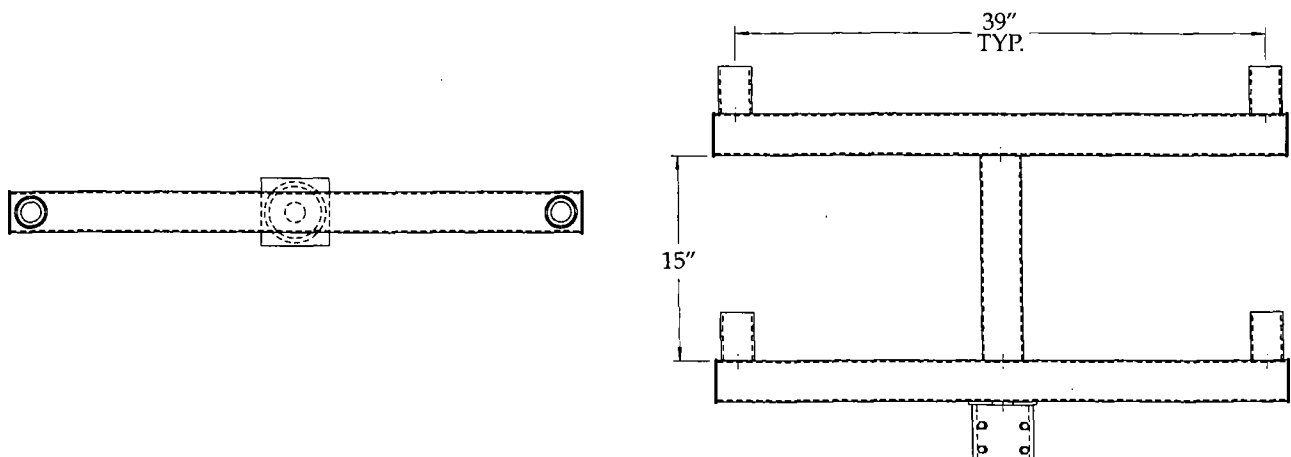


TRUSS BRACKETS WITH SIMPLEX MOUNTING

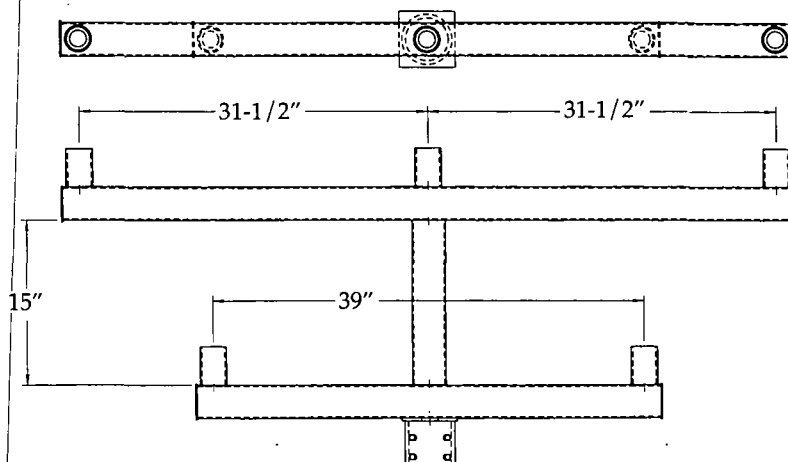


UPSWEEP WRAP BRACKETS WITH UNDERBRACE**FOR ROUND POLES****UPSWEEP BRACKETS WITH SINGLE BOLT SIMPLEX****CANTILEVER ARMS W/2-BOLT SIMPLEX BRACKET**

DECORATIVE DOUBLE CURVE BRACKETS**FOR WOOD POLES****STEEL TAPERED ARMS****SPAN WIRE CLAMPS****FOR ROUND POLES**

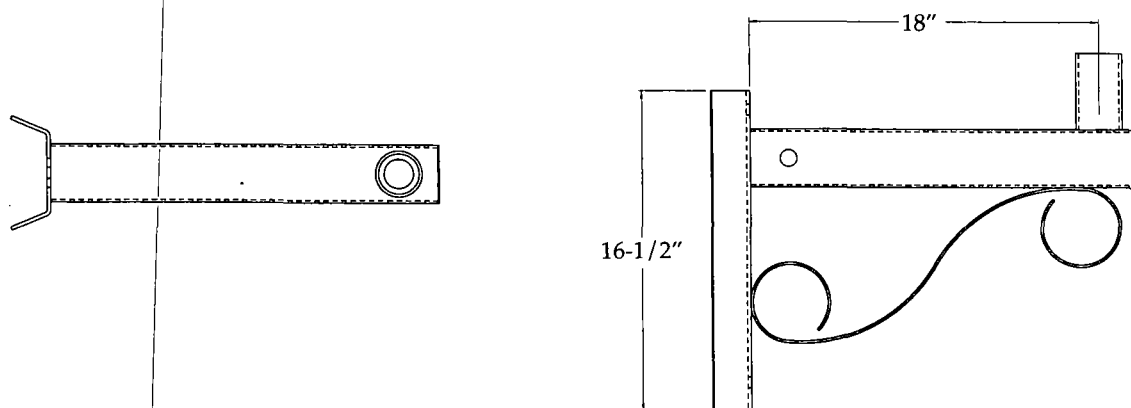
ROUND SQUARE ROUND BRACKETS**FOR CONCRETE POLES****ROUND SQUARE ROUND BRACKETS W/COUPLINGS****ROUND SQUARE ROUND RACK - FOUR FIXTURE**

ROUND SQUARE ROUND RACK – FIVE FIXTURE

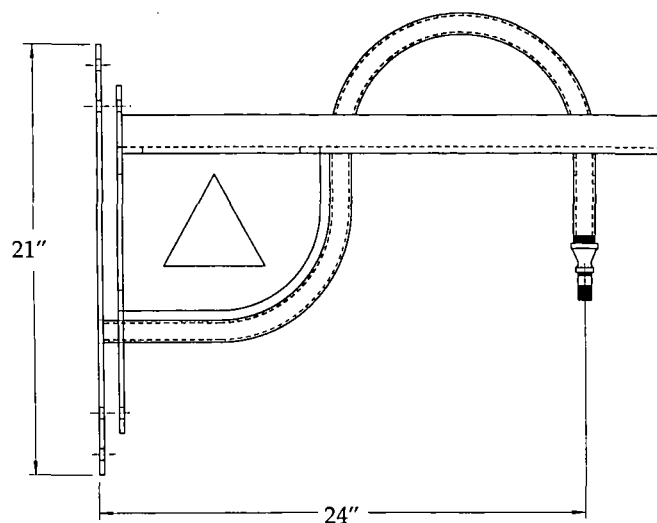


SQUARE SIDE MOUNT BRACKETS WITH SCROLL

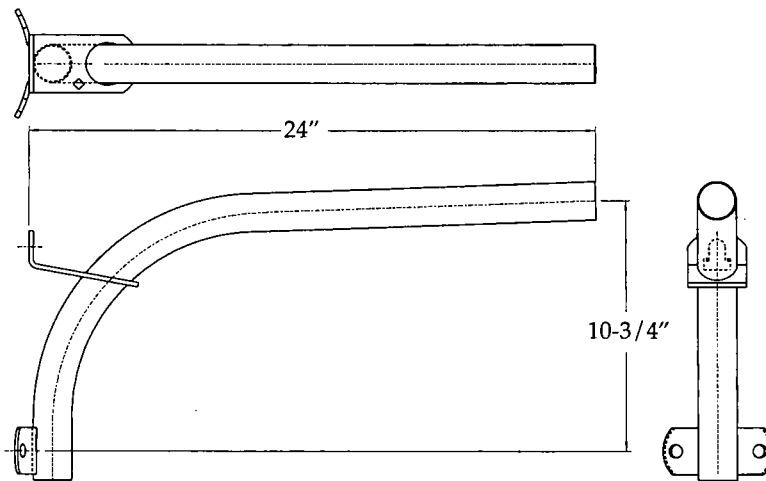
FOR ROUND POLES



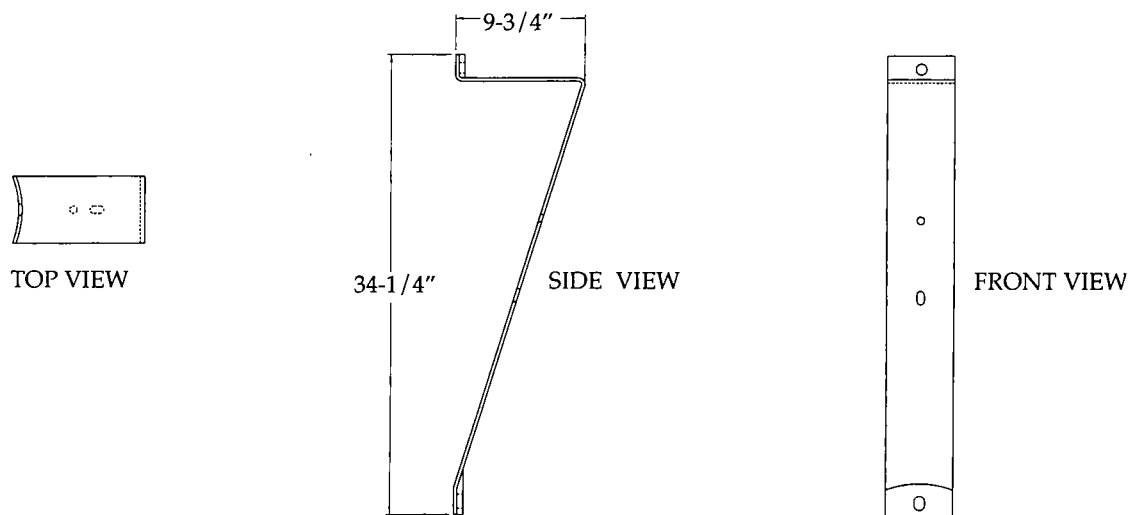
DECORATIVE WALL MOUNT BRACKETS



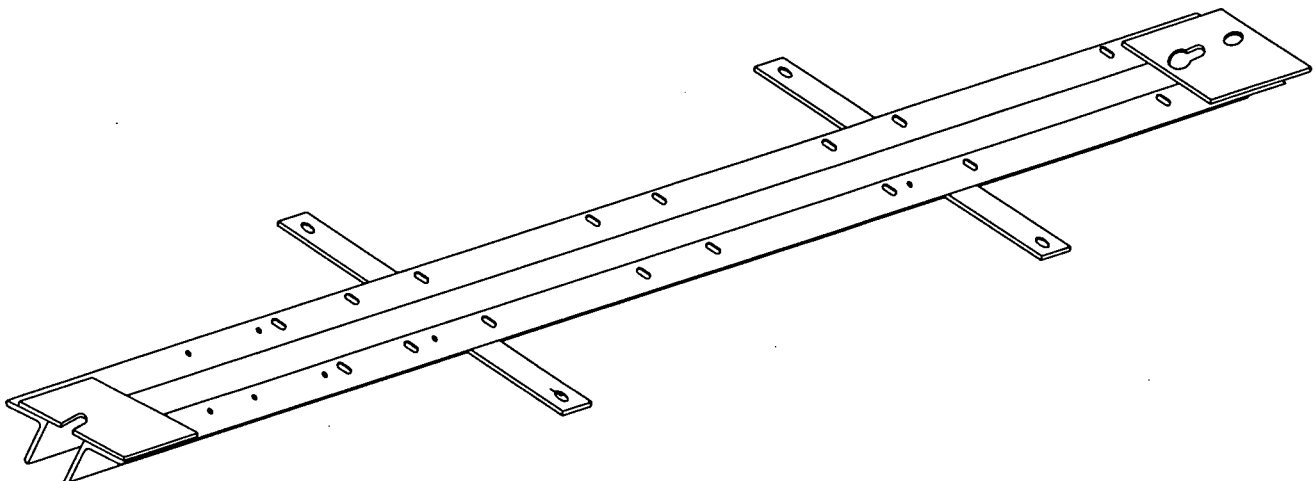
WOOD POLE MOUNTING BRACKETS



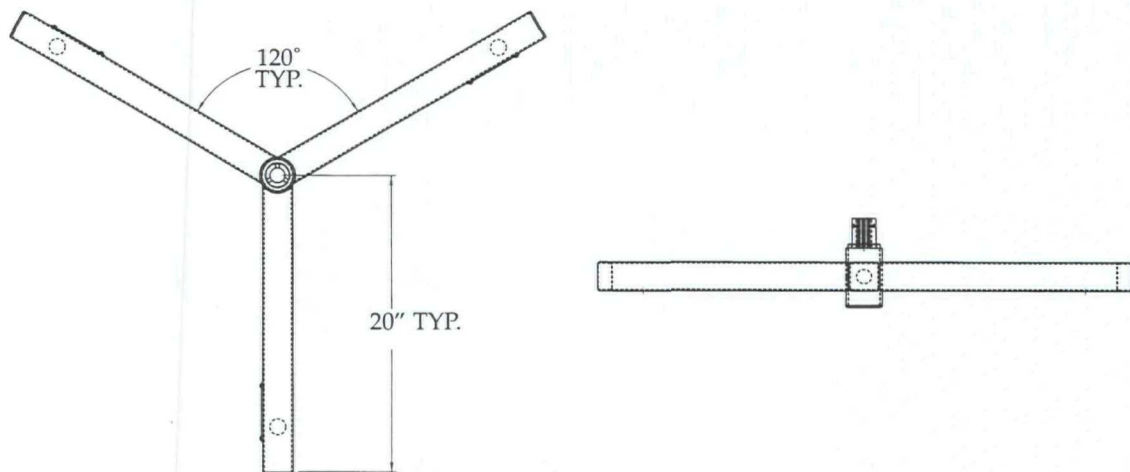
VERTICAL MOUNTING BRACKETS



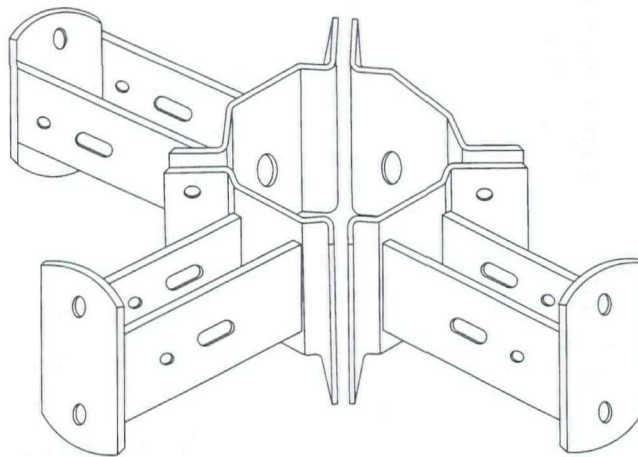
ALUMINUM VERTICAL BRACKETS



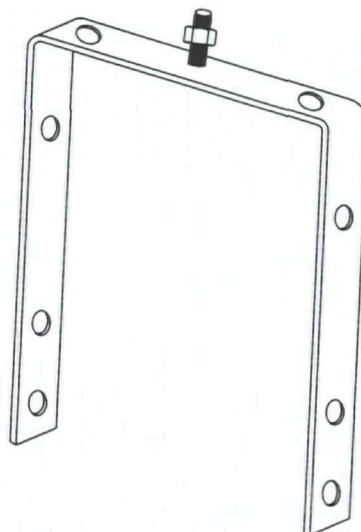
ROUND SQUARE TENON BRACKETS



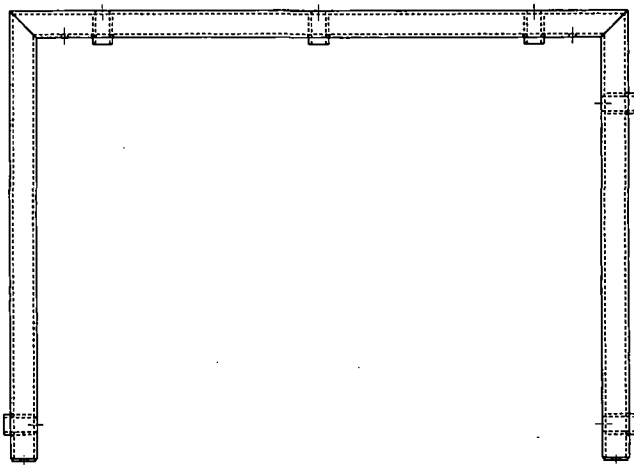
TRANSFORMER MOUNTING BRACKETS



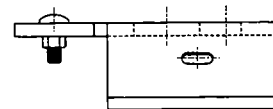
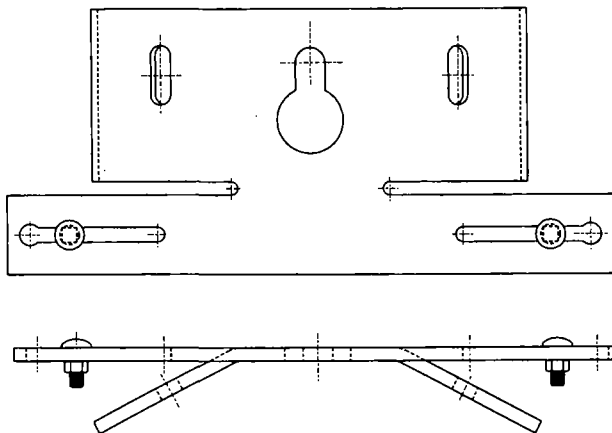
CONDUIT STAND OFF BRACKETS



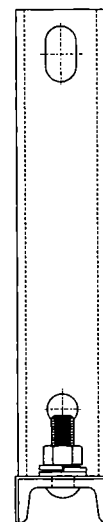
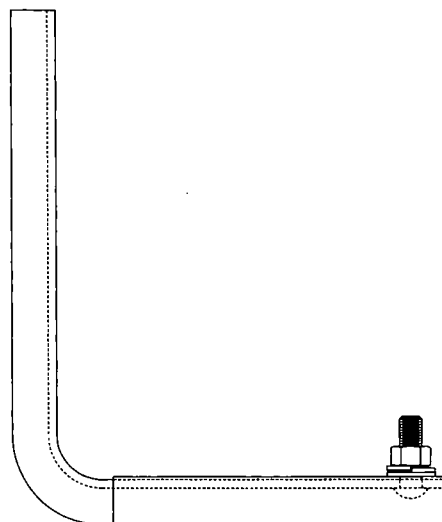
MOUNTING YOKES FOR SPEAKERS

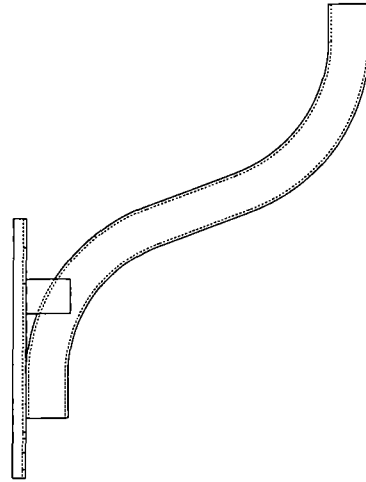
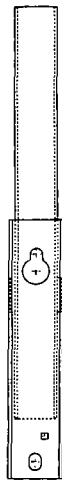
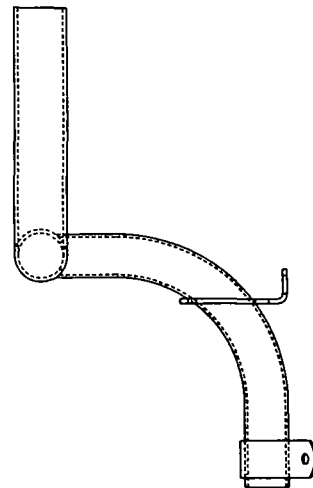
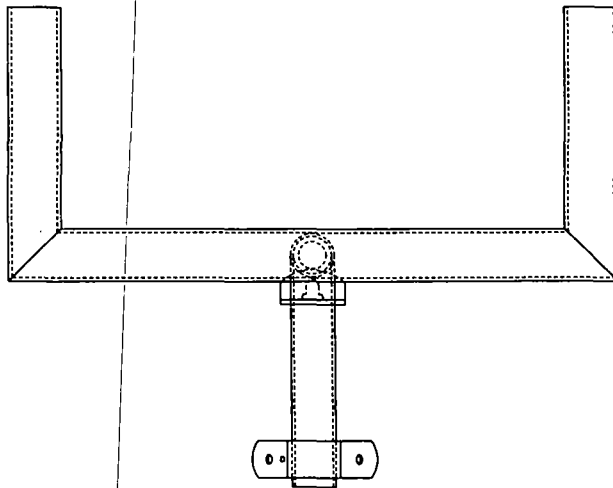
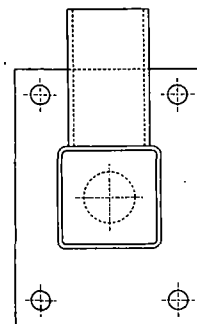
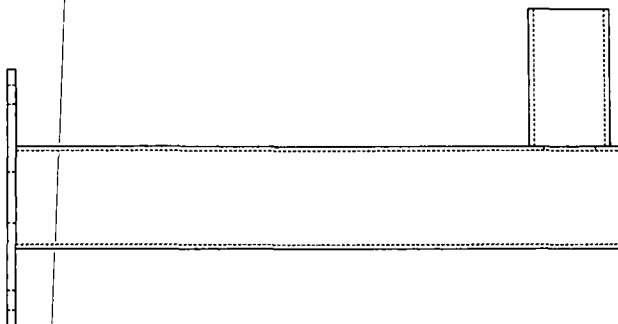


ALUMINUM BRACKETS

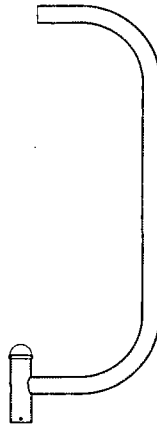


CUTOUT/ARRESTOR BRACKETS

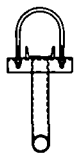


SINGLE FLOOD BRACKETS W/UNIVERSAL BASE**DOUBLE FLOOD BRACKETS W/2-7/8" OD TENONS FOR WOOD POLES****SIDE MOUNT BRACKETS****FOR SQUARE POLES OR WALL MOUNTING**

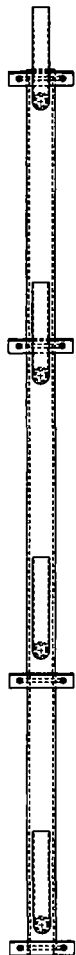
TENON MOUNT BRACKETS



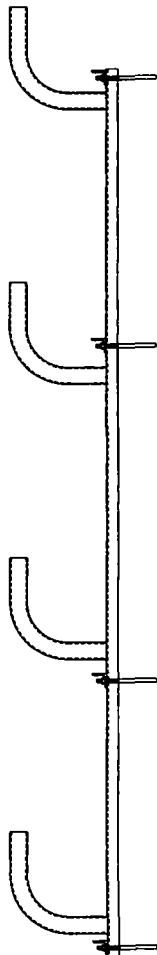
U-BOLT MOUNTING BRACKETS



TOP VIEW

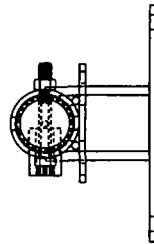


FRONT VIEW



SIDE VIEW

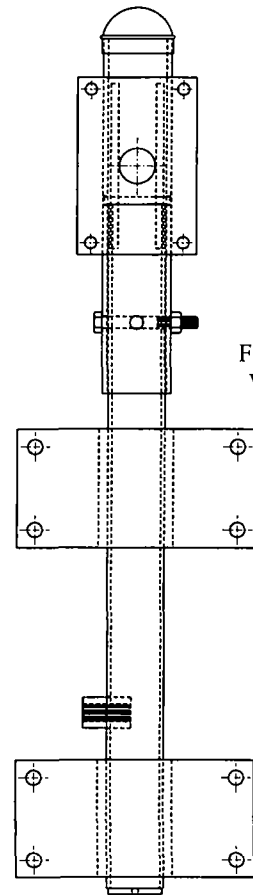
SWIVEL WALL MOUNT BRACKETS



TOP VIEW

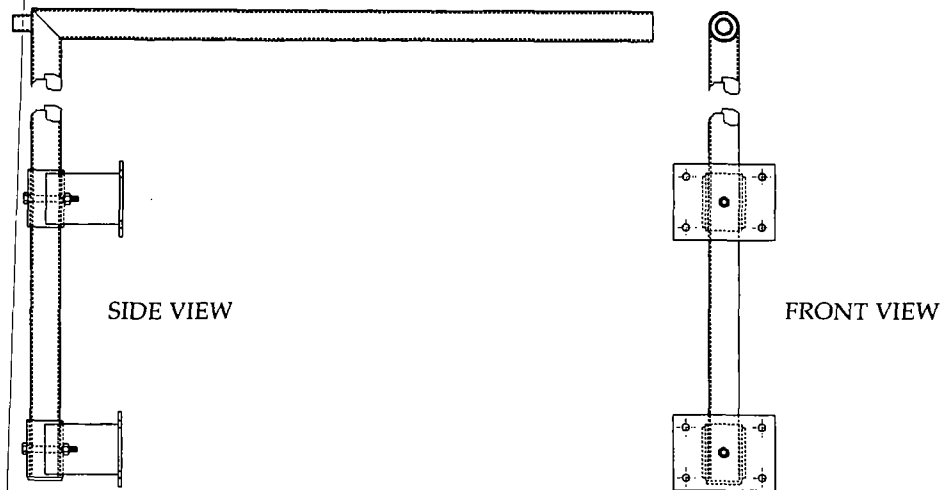


SIDE VIEW



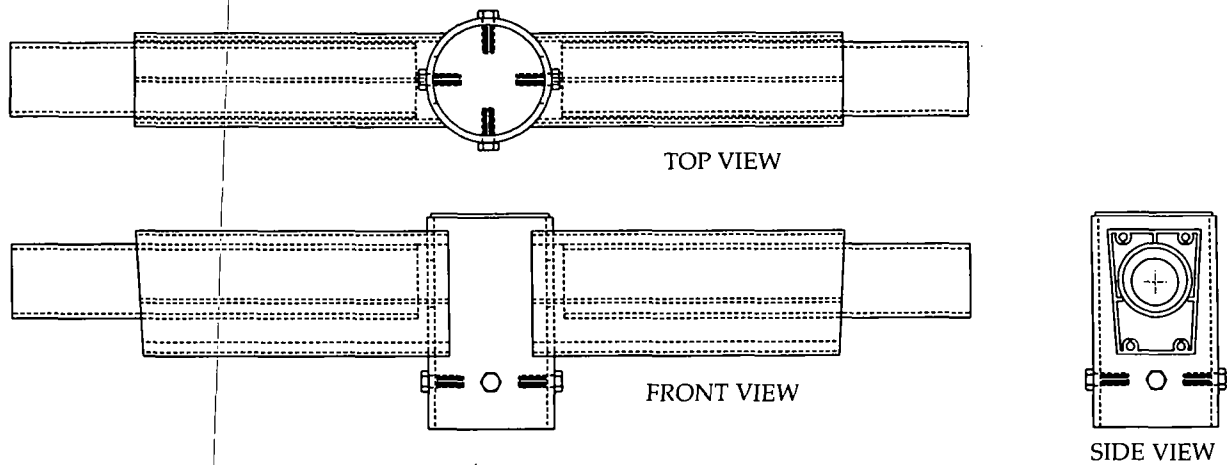
FRONT VIEW

RIGHT ANGLE SWIVEL ARM BRACKETS

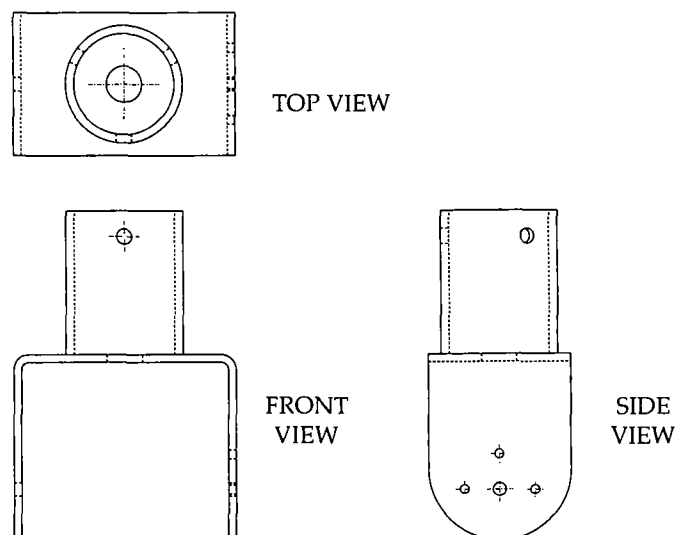


ALUMINUM MOUNT BRACKETS

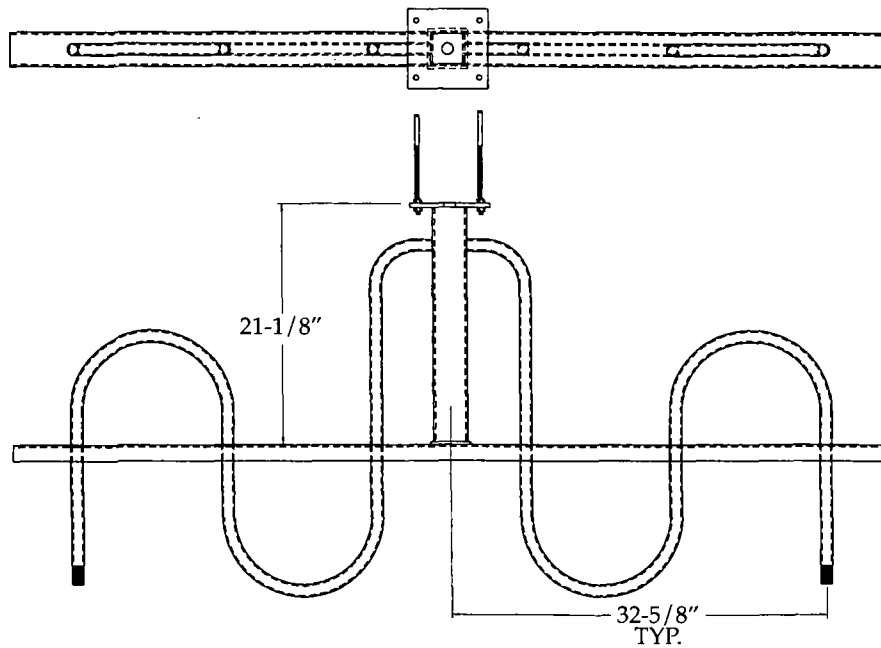
SINGLE OR DOUBLE ARM



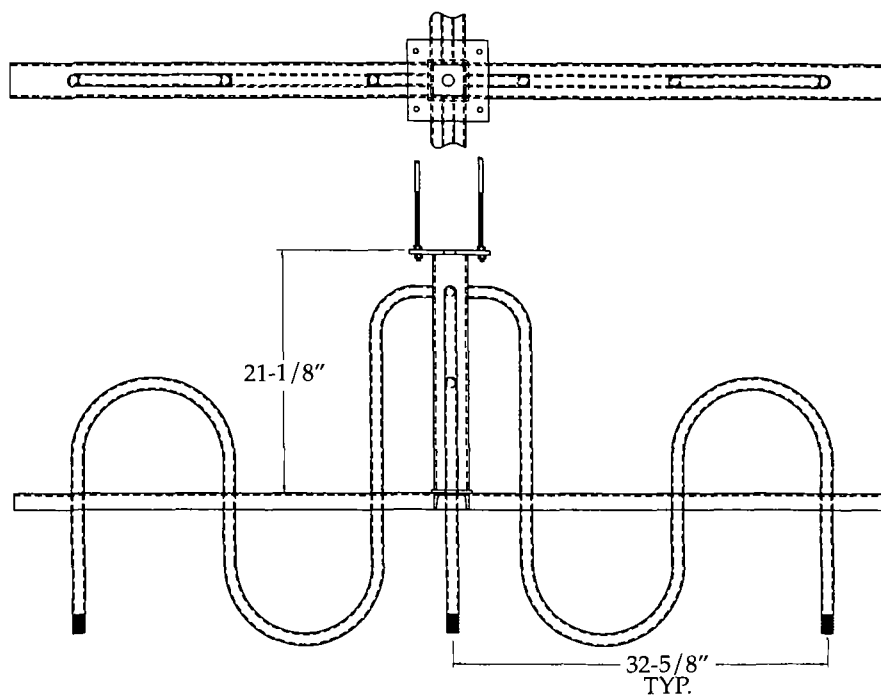
SWIVEL WALL MOUNT BRACKETS



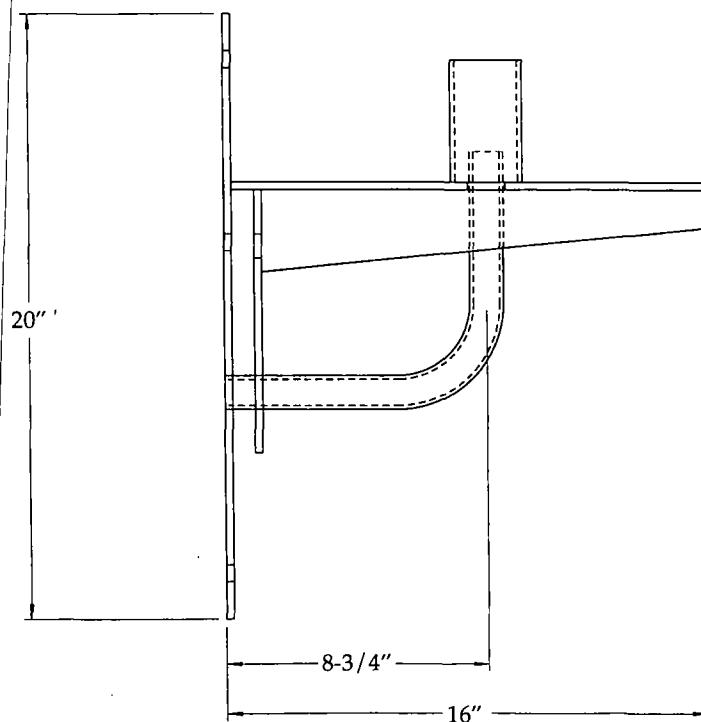
CHANDELIER BRACKET - TWO LIGHT



CHANDELIER BRACKET - FOUR LIGHT

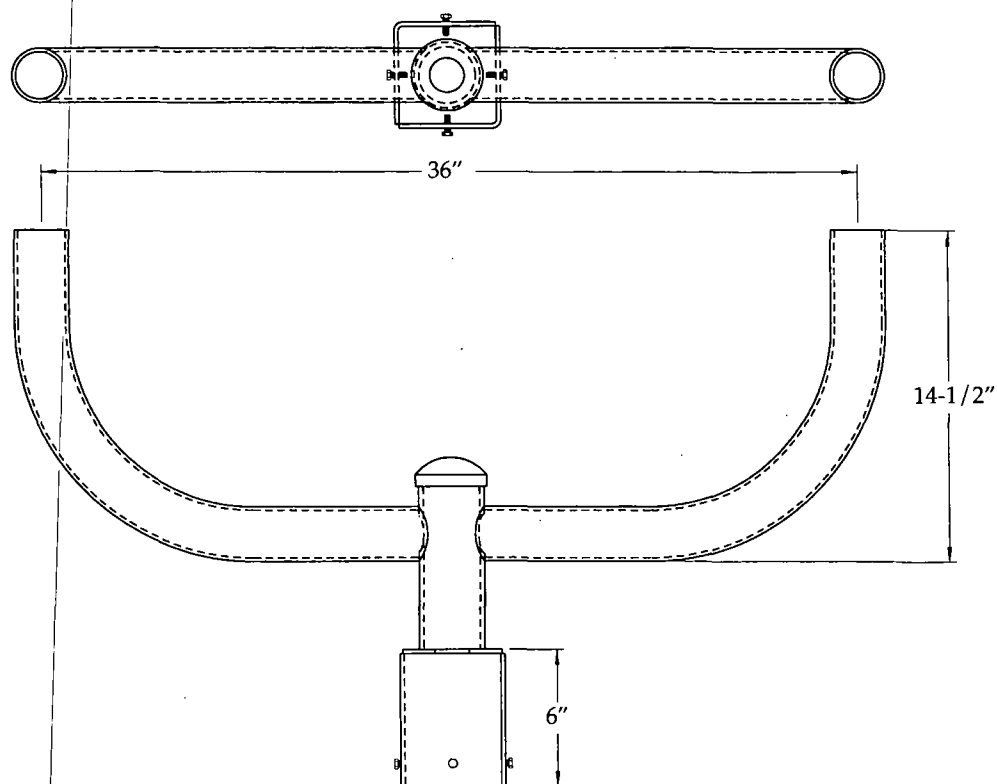


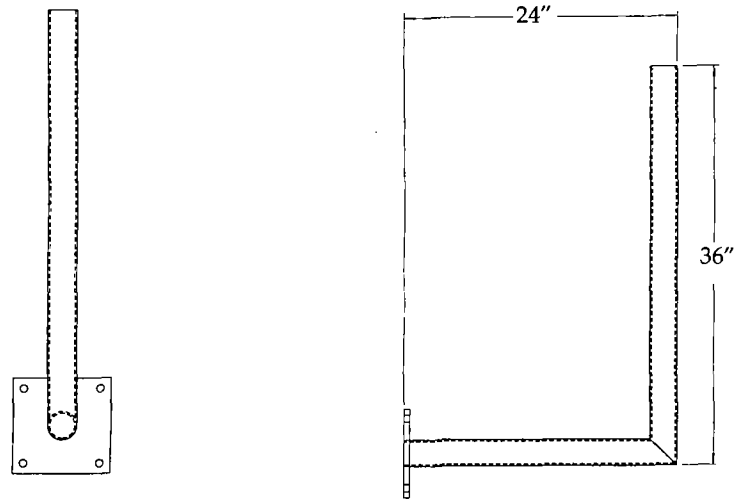
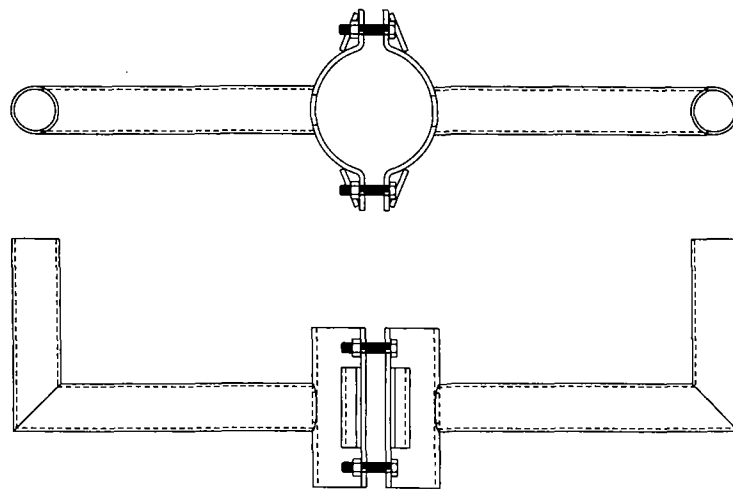
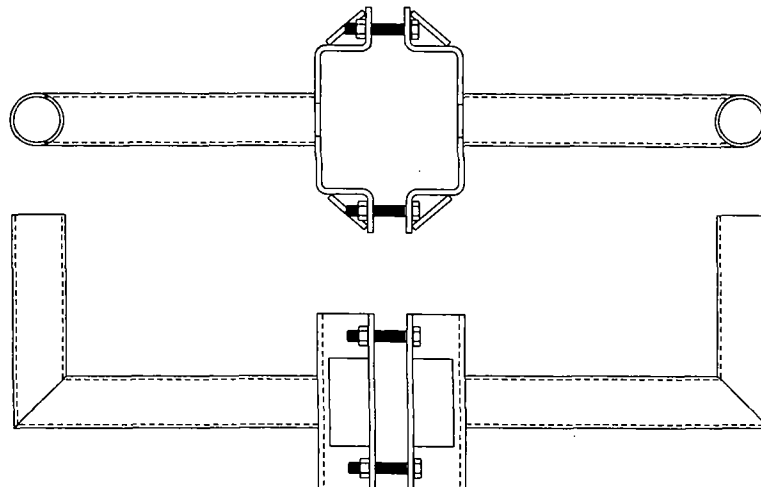
DECORATIVE FLOOD LIGHT BRACKETS



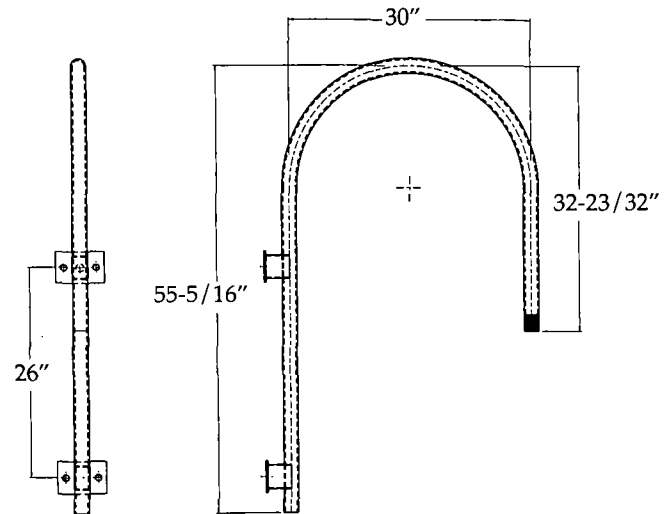
BULLHORN BRACKETS

FOR SQUARE CONCRETE POLES

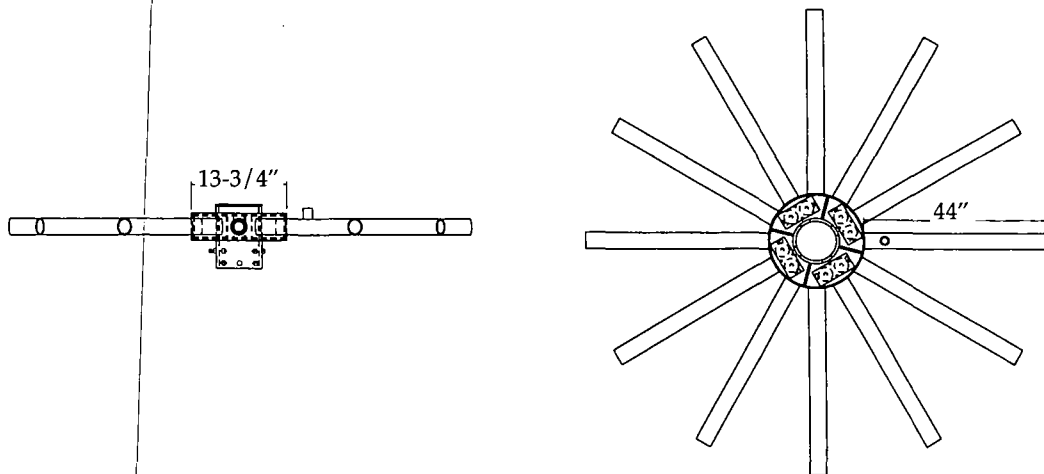


RIGHT ANGLE BRACKETS**RIGHT ANGLE BRACKETS****FOR ROUND POLES****RIGHT ANGLE BRACKETS****FOR SQUARE POLES**

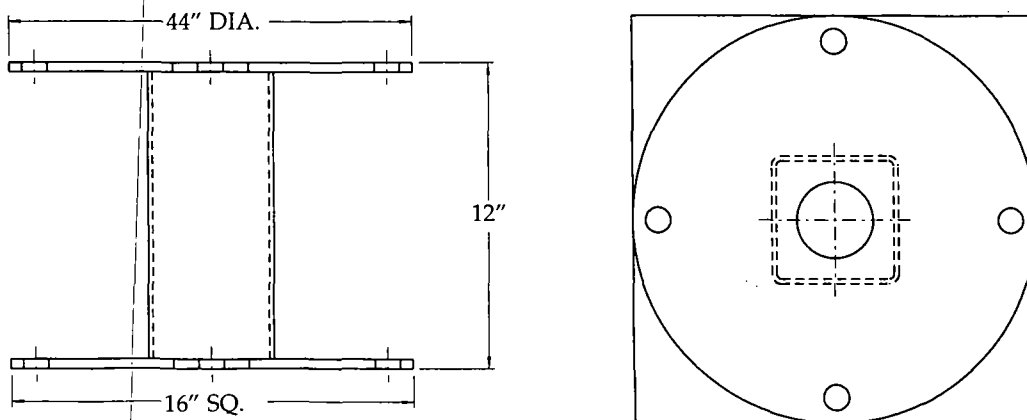
SINGLE BISHOP'S CROOK BRACKETS



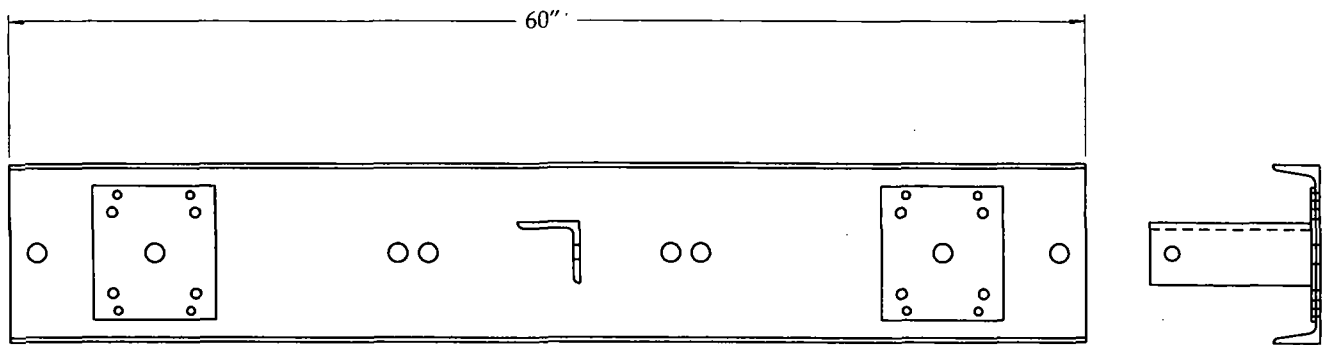
MULTI-ARM SPOKE BRACKETS



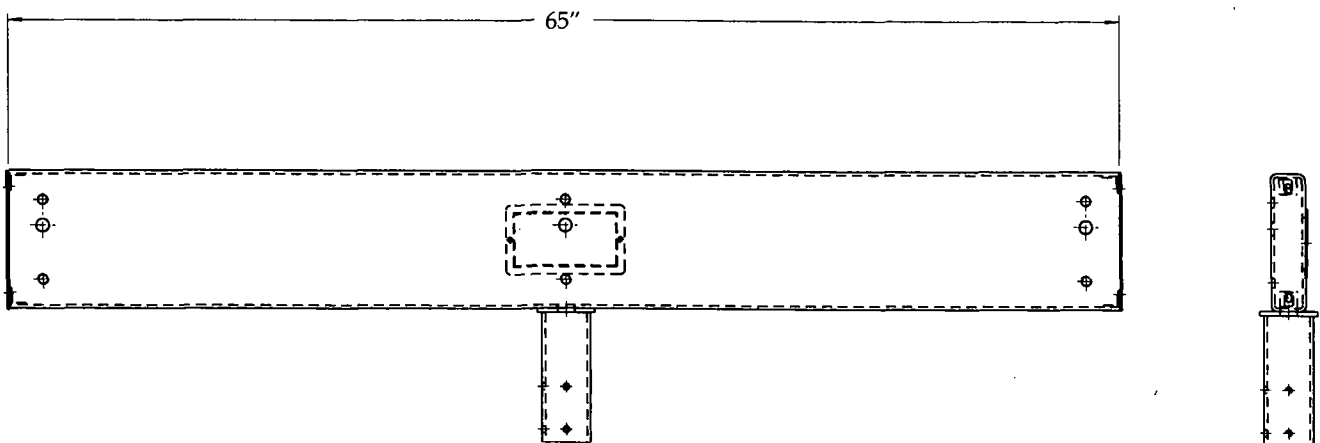
BASE EXTENDERS



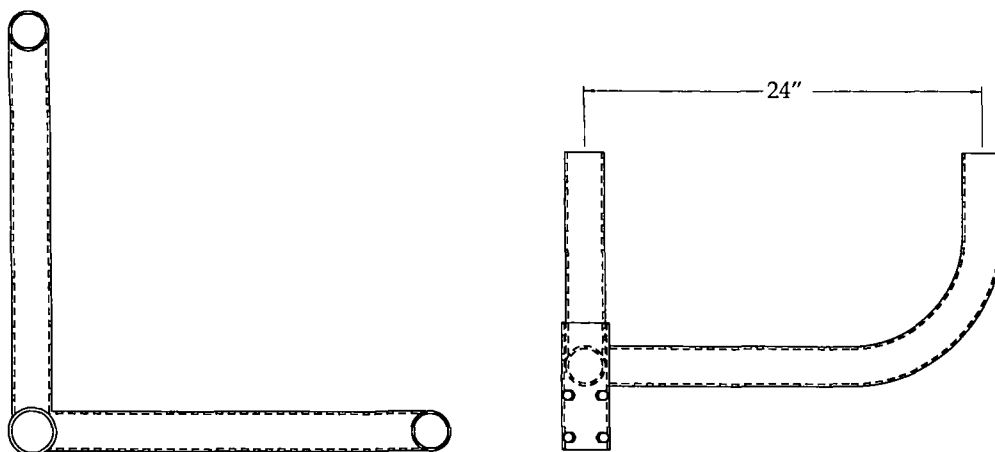
SPECIAL MOUNTING CHANNELS



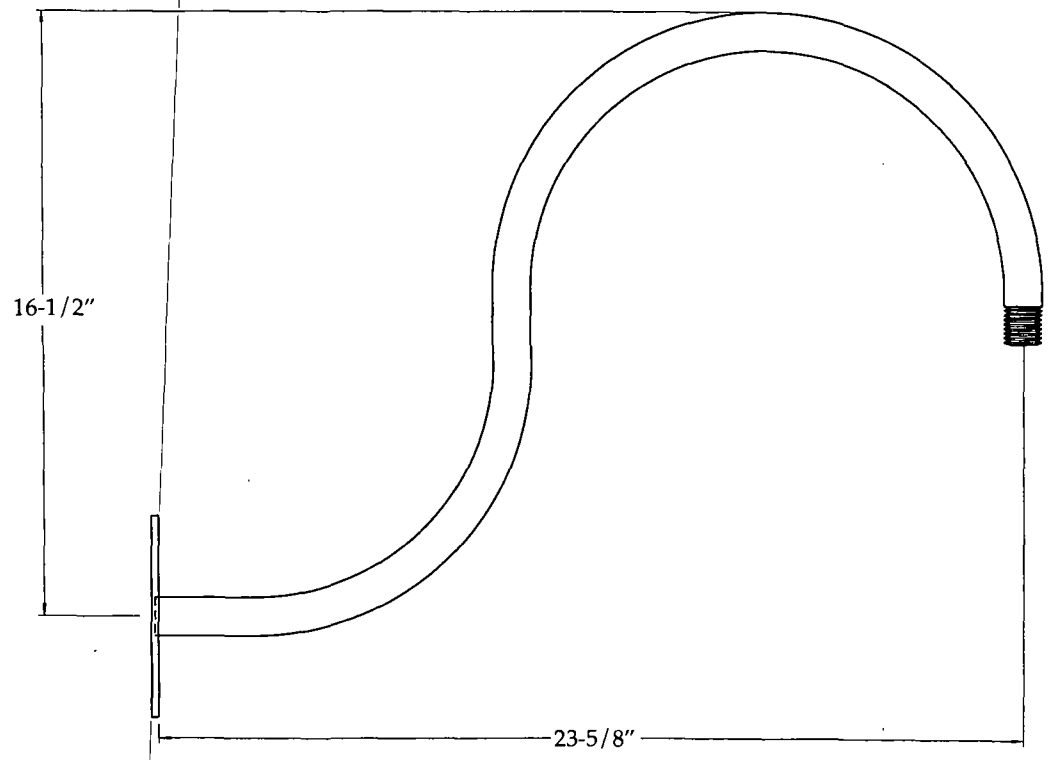
SPECIAL 3 LIGHT TENON MOUNT BRACKET



2 @ 90° BULLHORN BRACKET

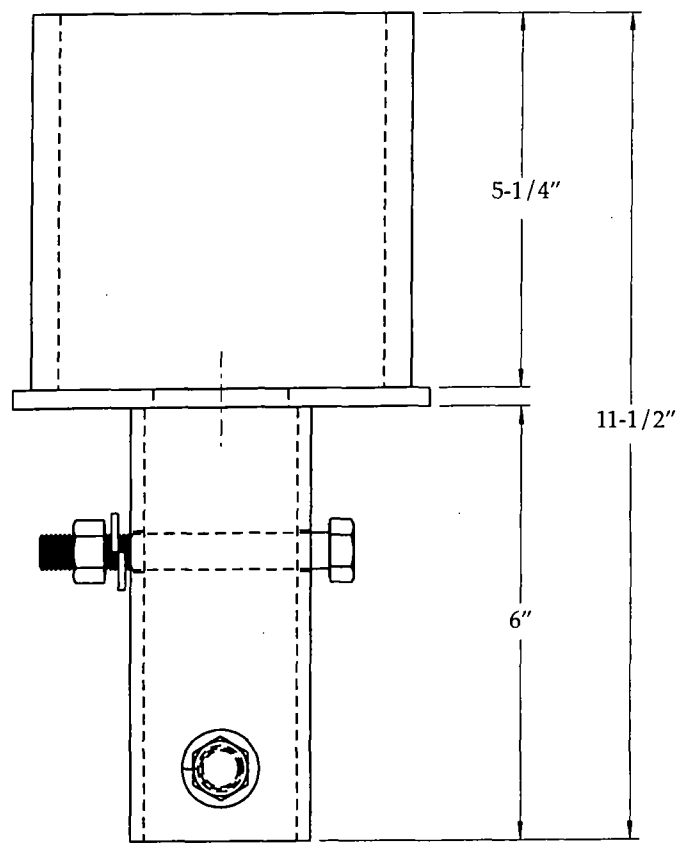
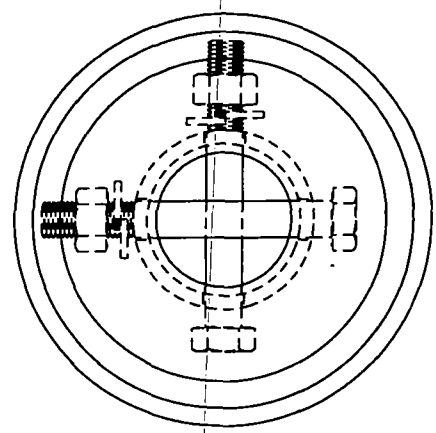


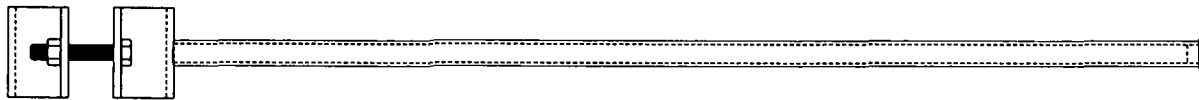
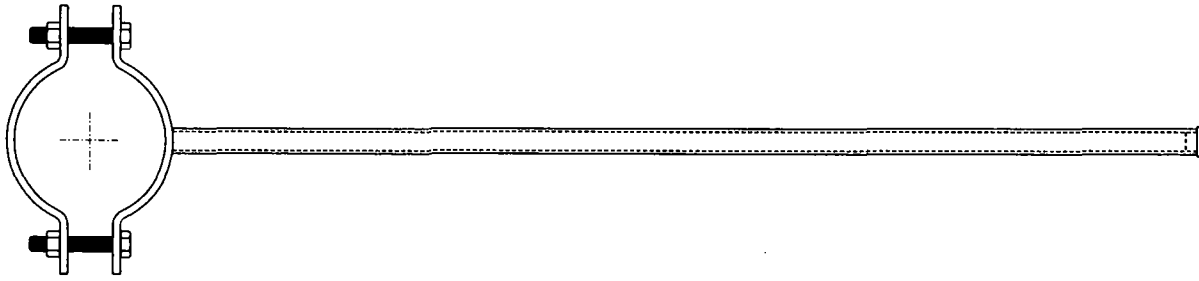
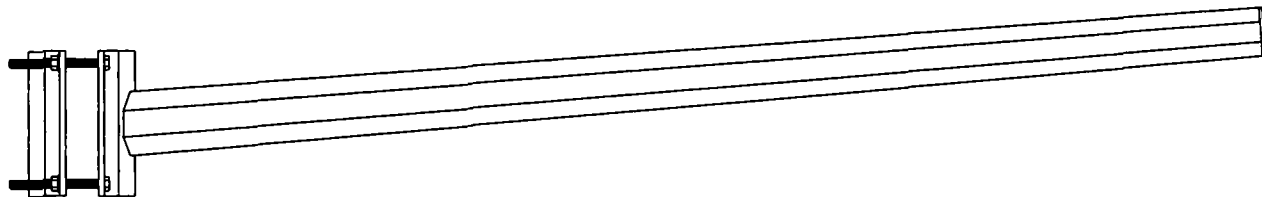
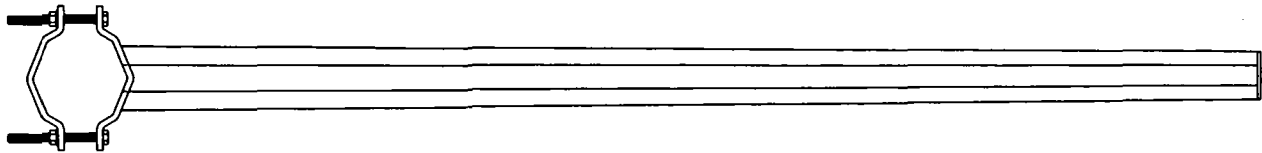
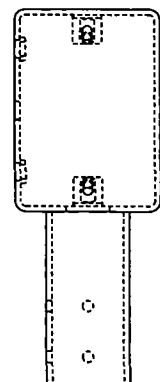
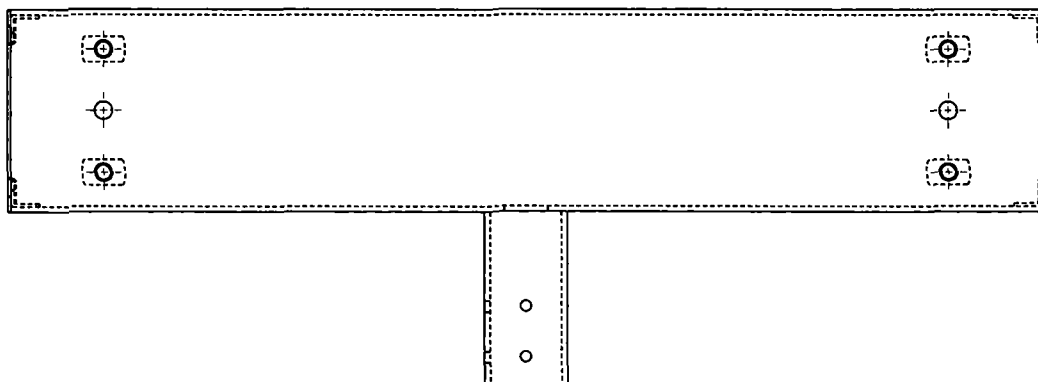
GOOSENECK BRACKETS



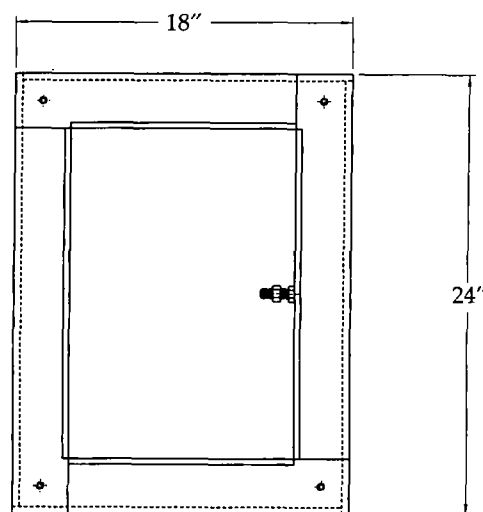
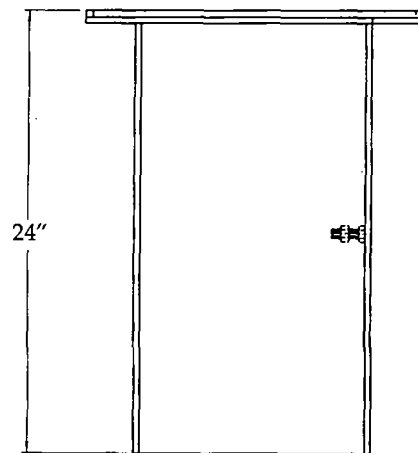
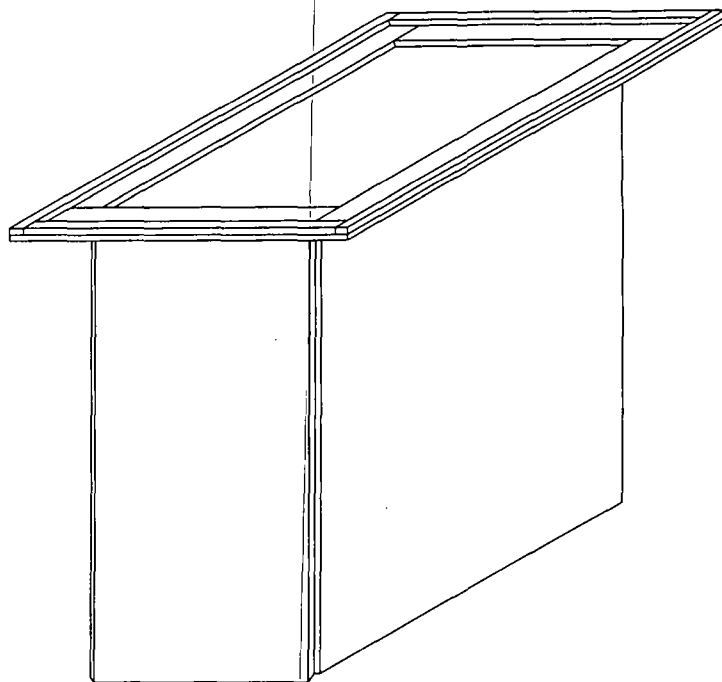
SPECIAL TENON ADAPTERS

FOR SQUARE AND ROUND POLES

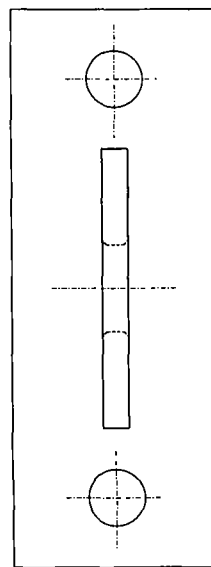
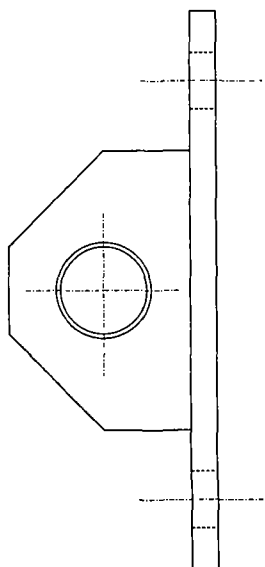


BANNER BRACKETS**FOR SQUARE OR ROUND POLES****OCTAGONAL ARMS****TENON MOUNT BRACKETS**

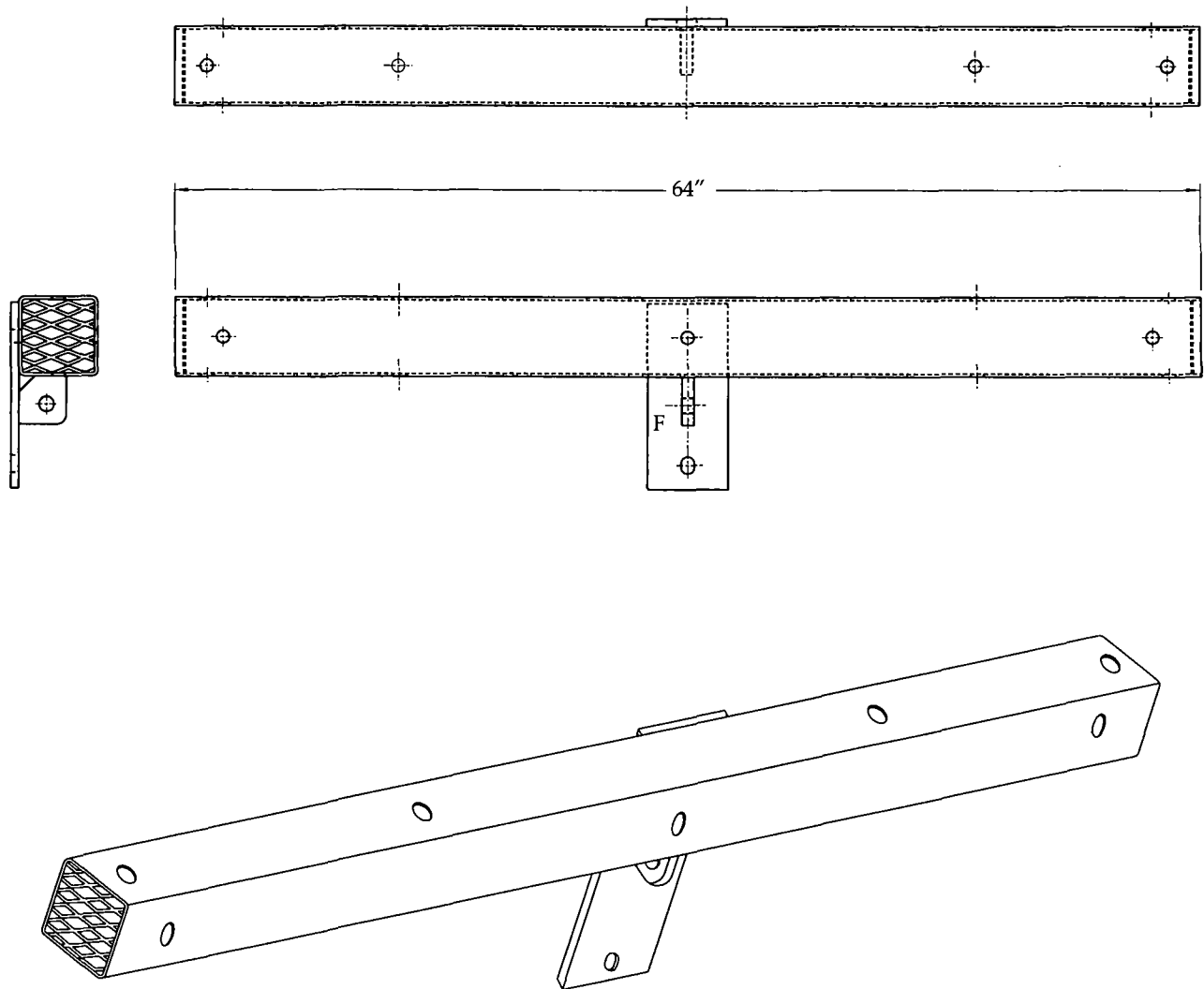
JUNCTION BOXES



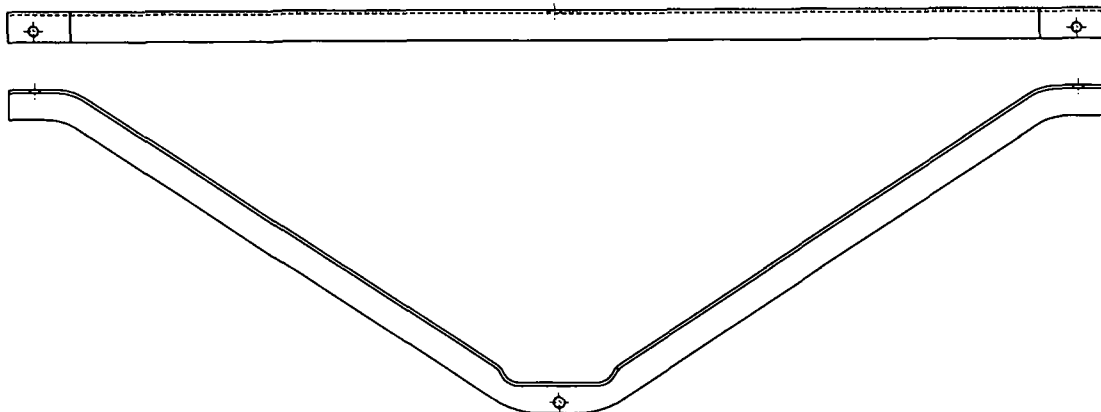
DEAD END TEES



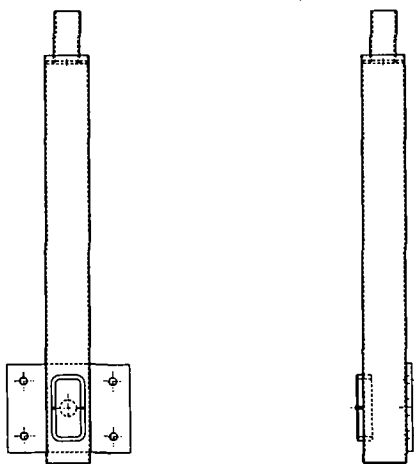
DISTRIBUTION CROSSARMS



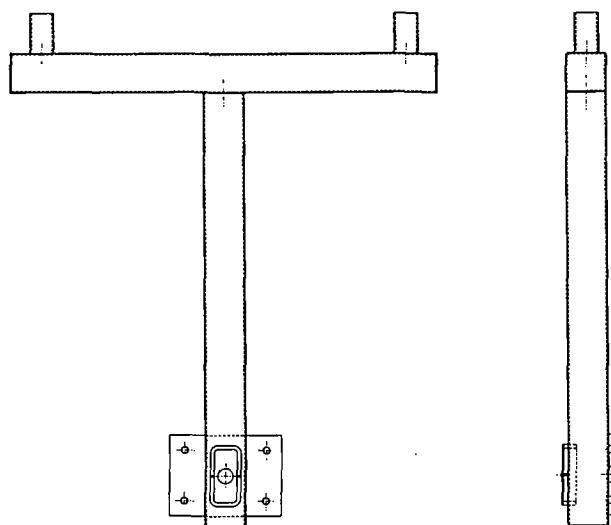
CROSSARM ANGLE BRACKET



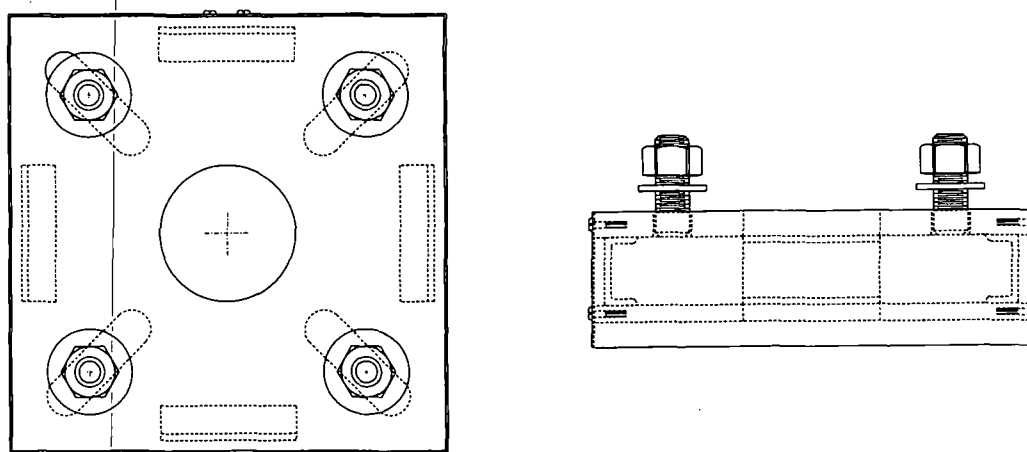
SINGLE TENON WALL MOUNT POLES



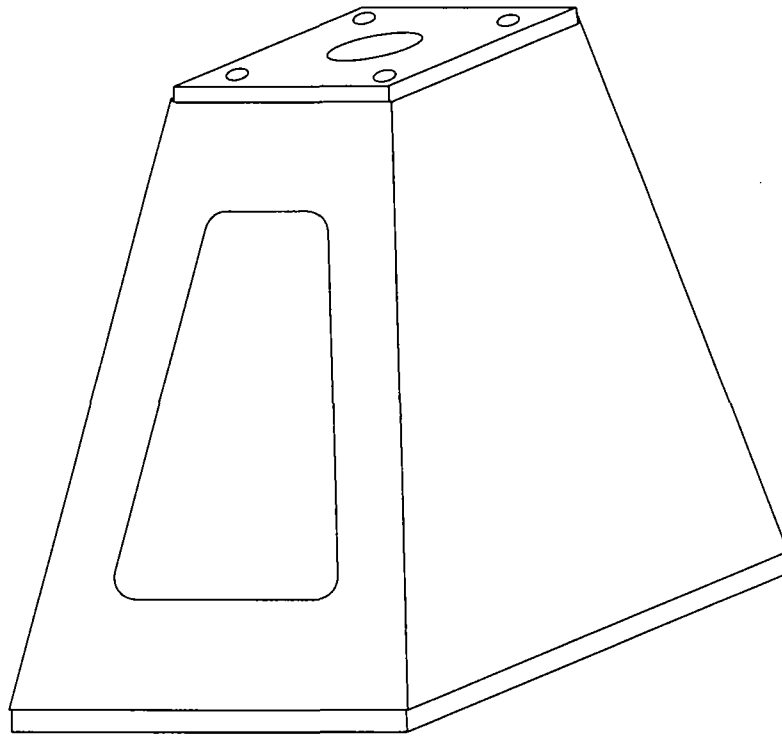
DOUBLE TENON WALL MOUNT POLES



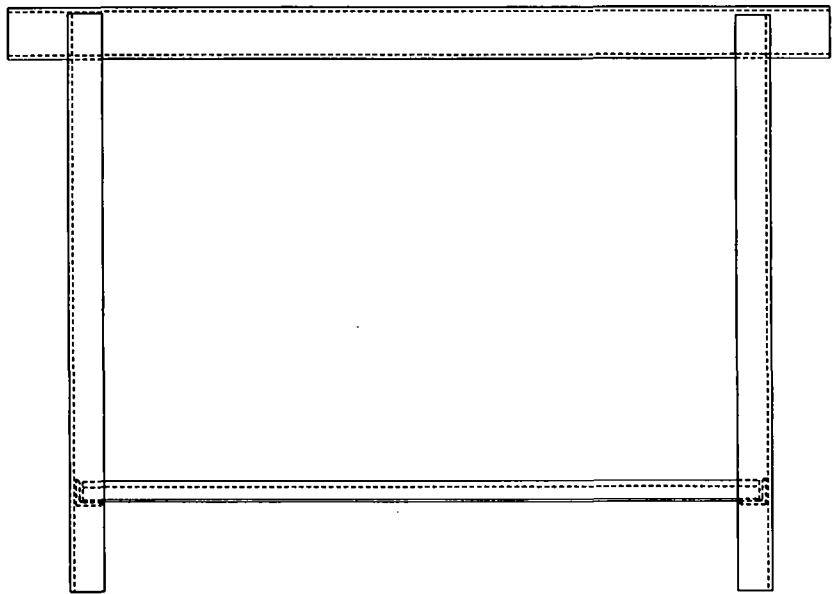
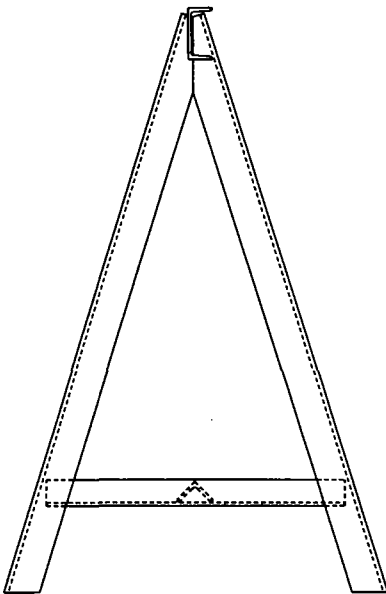
BASE PLATE ADAPTERS FOR POLES



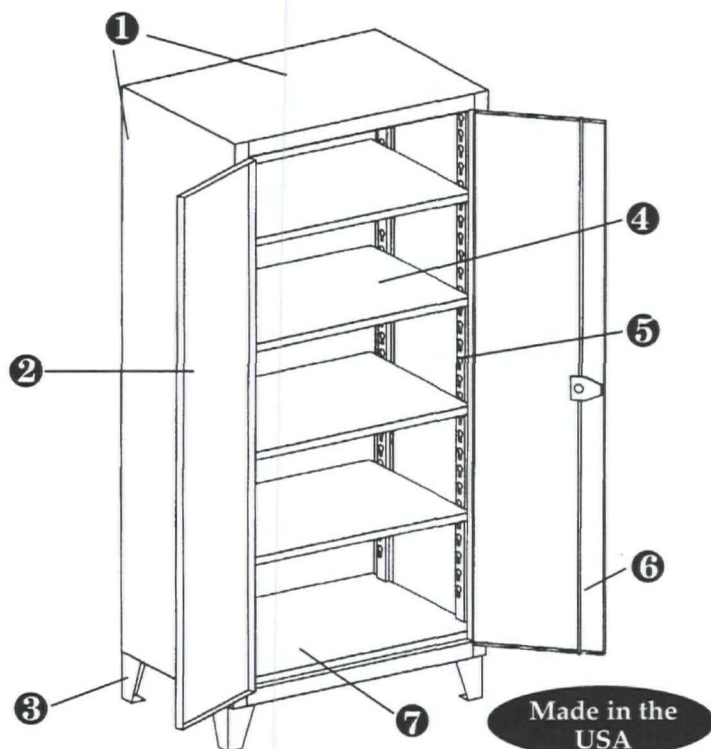
STEEL TRANSFORMER BASES



STEEL HORSE STANDS



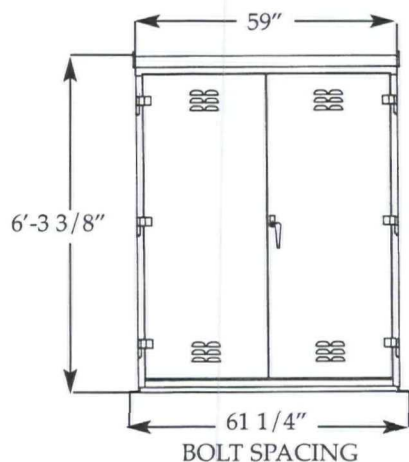
INDUSTRIAL CABINETS



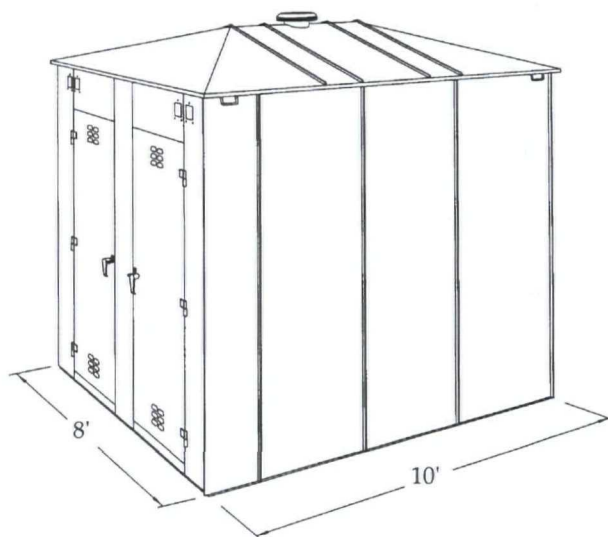
- 1 Wrap around design, one piece body, 12-gauge steel.
- 2 Two doors per cabinet, 12-gauge steel, 1" return flange, 200 degree swing, interlocking left hand door.
- 3 3/16" steel legs, provision for lagging, 6" sweep space.
- 4 Adjustable shelves, 14-gauge steel. Shelf clearance is 2-1/2" less than actual depth of cabinet.
- 5 Shelves attached with 3/8" carriage bolts.
- 6 Three-point locking device, 3/8" latch rod, 3/16" latch plate.
- 7 Flush bottom - 12-gauge steel.
- 8 Cast aluminum-bronze alloy handle, padlock tang, 3/8" angle receiver.
- 9 8-gauge hinge leaf, 5/16" brass hinge pin.

| MODEL | WIDTH | DEPTH | HEIGHT | O.A. HEIGHT | SHELVES | SHELF P/N | SHELF CAPACITY | WEIGHT |
|--|-------|-------|--------|-------------|---------|-----------|----------------|--------|
| ◆ 36-244 | 36" | 24" | 72" | 78" | 4 | 3-24C | 1900 | 475 |
| ◆ 46-244 | 48" | 24" | 72" | 78" | 4 | 4-24C | 1200 | 573 |
| ◆ 56-244 | 60" | 24" | 72" | 78" | 4 | 5-24C | 1650 | 699 |
| ◆ Denotes stock item - most ship in 48 hours | | | | | | | | |

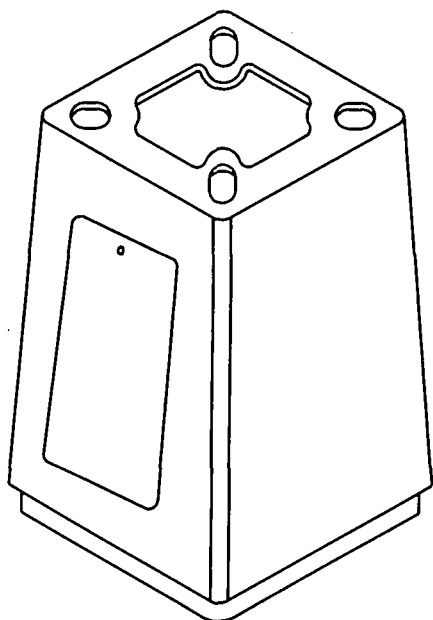
INSTRUMENT CASES



INSTRUMENT HOUSES



AKRON FOUNDRY TRANSFORMER BASE

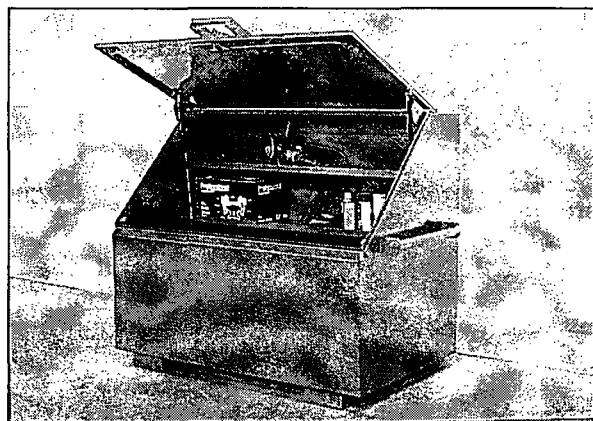


- Door supplied in aluminum or plastic with or without hinge
- Standard 1/4"-20 SS hex screw or vandal screw to fit your specifications
- All washers to be zinc mechanical coated per ASTM B 695-85 Class 50
- 356 T-6 Aluminum Alloy /SS wheelabrated finish
- Chemical and physical certifications to be supplied with each shipment
- Adhesive breakaway and caution labels to appear on inside wall opposite door opening
- "H" after part number when a hinge door application is required
- "M" after part number denotes modification

ALUMINUM

| CATALOG NO. | BASE HT. | TOP SQ. | BOTTOM SQ. | TOP BOLT CIRCLE | BOTTOM BOLT CIRCLE | DOOR SIZE |
|-------------|----------|----------|------------|-----------------|--------------------|---------------------------|
| ◆ TB1-17 | 17" | 13-1/8" | 15-3/8" | 10-1/2"-13-1/2" | 13"-15" | 9-1/4" x 9-3/4" x 11-3/4" |
| TB1-17M | 17" | 13-1/8" | 15-3/8" | 10-1/2"-13-1/2" | 10-1/2"-12-15/16" | 9-1/4" x 9-3/4" x 11-3/4" |
| ◆ TB2-17 | 17" | 12" | 13" | 10"-12" | 10"-12" | 9-1/4" x 9-3/4" x 11-3/4" |
| ◆ TB3-17 | 17" | 15-3/32" | 17-7/16" | 13"-15-1/8" | 15"-17-1/4" | 9-1/4" x 9-3/4" x 11-3/4" |
| TB1-20 | 20" | 13-1/8" | 15-3/8" | 11"-13" | 13"-15" | 9-1/4" x 9-3/4" x 13-1/2" |
| TB1-20M | 20" | 13-1/8" | 15-3/8" | 11"-13" | 10-1/2"-12-15/16" | 9-1/4" x 9-3/4" x 13-1/2" |
| TB2-20 | 20" | 12-1/16" | 13" | 10"-12" | 10"-12" | 9-1/4" x 9-3/4" x 13-1/2" |
| TB3-20 | 20" | 15" | 17-7/16" | 13"-15 1/8" | 15"-17-1/4" | 9-1/4" x 9-3/4" x 13-1/2" |

JOB BOX



- 12-gauge steel, all-welded construction
- Removable 14-gauge shelves, concealed hinges, lifting handles
- Three-point locking system designed for a padlock
- Raised bottom for easy pickup with forklift
- Pre-punched holes for optional casters

| CATALOG NO. | WIDTH | DEPTH | HEIGHT | SHELVES | SHELF CAPACITY | WEIGHT |
|-------------|-------|-------|--------|---------|----------------|--------|
| ◆453-UJB | 60" | 36" | 48" | 3 | 800 | 602 |

◆ indicates stock item (in limited quantity)

FACILITIES LIST

FABRICATED METALS LLC

FACILITIES LIST

DIVISIONS

PLANTS



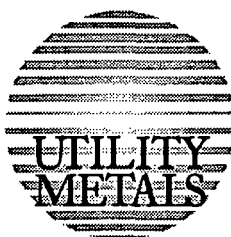
FABRICATED METALS
PO BOX 9535
LOUISVILLE KY 40209-0535
PHONE 502-363-2625
FAX 502-363-2629
www.fabricatedmetals.com

75,000 sq. ft. Building
10 Acre Site
100,000 sq. ft. (3) Buildings
7 Acre Site
(2) Depressed Loading Docks
Depressed Indoor Loading Dock
CSX Railroad Siding
5 Ton Bridge Crane



STRONG HOLD PRODUCTS
PO BOX 9043
LOUISVILLE KY 40209-0043
PHONE 502-363-4175
800-880-2625
FAX 502-363-3827
www.strong-hold.com

150,000 sq. ft. Building
15 Acre Site
Depressed Loading Dock
Depressed Indoor Dock
(2) 10 Ton Bridge Cranes



UTILITY METALS
PO BOX 9054
LOUISVILLE KY 40209-0054
PHONE 502-363-6681
800-627-8276
FAX 502-368-2656
www.utilitymetals.com

75,000 sq. ft. Building
6 Acre Site
Depressed Loading Dock
(2) 3-Ton Double Hook Bridge Cranes
5 Ton Bridge Crane

FACILITIES LIST

EQUIPMENT

PUNCH PRESSES

- 1 150 Ton Hydraulic Press, Greenerd
- 1 110 Ton Hydraulic CNC Press, Cincinnati
- 1 60 Ton OBI, Rouselle w/ stock feeder
- 2 50 Ton Gauging Presses, W.A. Whitney
- 1 40 Ton OBI, Rouselle
- 1 30 Ton Duplicating Press, W.A. Whitney

PRESS BRAKES

- 1 1/4" X 12' 175 Ton, Cincinnati CNC Autoform
 - 1 1/4" X 8' 175 Ton, Cincinnati CNC Autoform
 - 3 1/4" x 6' 90 Ton, Cincinnati-CNC CB II
 - 1 3/16" X 10' 135 Ton, Cincinnati CB
 - 1 10 Ga X 6' 90 Ton, Cincinnati CNC Autoshape
 - 1 3/16" X 8' Folding Machine, YSTAD
 - 1 1/4" X 6' 135 Ton, Cincinnati Formmaste
- All Equipped with N.C. backgauges

CUT-OFF

- 1 Tilt Frame Band Saw, DoAll TF2021nc
- 1 Tilt Frame Band Saw, DoAll TF2021M with 17' Power Conveyor
- 1 6" X 6" X 1/2" Angle Shear, W.A. Whitney
- 2 Vertical Band Saws, DoAll
- 1 Vertical Band Saw, Powermatic
- 1 Cold Saw, Scotchman CPO 315
- 1 Cold Saw, Trennjaeger PMC 8

SHEARS

- 1 1/2" X 12' Pearson
- 1 3/8" X 4' Niagara
- 2 1/4" X 10' Cincinnati w/ Automatic Front Gauges
- 1 1/4" X 10' Cincinnati
- 1 3/16" X 6' Lodge & Shipley
- 3 Stacking Conveyors

FACILITIES LIST

EQUIPMENT

MACHINING

- 1 Surface Grinder, G&L #25
- 1 Surface Grinder, ACER
- 2 3-Spindle Drill Presses
- 5 1/2" Drill Presses
- 4 Bench Grinders
- 10 Magnetic Hole Cutters
- 1 4 Ton Arbor Press, Denison
- 1 Milling Machine, Millport
- 1 Lathe, Warner & Swasey
- 2 Sheet Deburring Machines, Falls
1/4 PL-24ga Range
- 1 Sheet Deburring Machine, Dake
3/8 PL-24ga Range
- 1 14 Cu. Ft. Finishing Mill, Sweco
- 2 Pedestal Grinders

FINISHING

- 5 Steam Cleaners
- 10 Spray Paint Booths
- 3 Overhead Conveyor Systems
- 1 Powder Coating System
- 1 Electrostatic Spray System
(water base)
- 6 Paint Systems, Kremlin Airmix 2025
- 3 HVP Spray Systems

WELDING

- 48 300 to 600 Amps, Mig Welders
- 5 200 to 800 Amps, Stick Welders
- 12 Pulse Arc Mig Welders
- 1 Tig Welder
- 1 40 KVA Spot Welder, Acme
- 5 Plasma Cutters
- 4 Cutting Torches
- 2 Stud Welders
- 1 130 Amps, Mig Welder

MISCELLANEOUS

- 1 4' X 8' Ga Pinch Type Roll, Wysong
- 4 1 1/4" and 2" Pipe Benders
- 12 Lift Trucks
- 4 Delivery Trucks
- 2 Gooseneck Trailers
- 1 200 Ton Pipe Bender, Beatty
- 1 Riveting Press, AKH
- 1 17" Table Saw, Rockwell
- 1 17" Rip Saw, Rockwell
- 1 Pipe Deburrer, Rasamat R1002
- 1 Pipe Deburrer, Proto-1, RDM 200
- 1 40 Ton Ironworker, Scotchman
- 11 Electric Pallet Jacks
- 1 Scissor Lift, SkyJack 4626
- 1 Riding Sweeper, Alto 6150

FACILITIES LIST

SPECIALTY EQUIPMENT

2 - AMADA - CNC TURRET PUNCH PRESSES

PEGA 357

Press Capacity 33 Tons / Max Axis Travel 50"X72" / Max Sheet Size 50"X144"
Max Sheet Thickness .25" / Punching Accuracy .004" / Strokes Per Minute 300
Max Hit Rate 200 / Max Feed Rate 1968" Per Minute
Turret Speed 30 RPM / Complete with: AMADA - CAM Software

TRUMPF - CNC PUNCHING CENTER

TC 500 - 1600

Press Capacity 25 Tons / Max Axis Travel 65"X121" / Max Sheet Weight 507#
Max Sheet Thickness .31" / Punching Accuracy .002" / Strokes Per Minute 780
Max Feed Rate 4300" Per Minute / Complete with: Merry Mechanization Software

DESCALING MACHINE

Pangborn Model ES1860-20 / Blast Chamber 24"W X 36"H / 8 15 HP Blast Motors
40' of Overhead Conveyor Extending from each end / Dust Collecting System

GAS FIRED BATCH OVEN

Young & Bertke / 2,000,000 BTU/HR 2 Doors / Work Area of 7"W X 6'6"H X 45'L
Programmable Temp Control up to 500 deg F / 2 Underground Conveyor Systems

ABB WELDING ROBOT SYSTEMS

SYSTEM 1

IRB 1400 Six Axis Robot / Orbit 250R Dual Orbit Positioner / Bulls Eye Torch
Calibration System / Miller Delta Weld 452 Power Source
S4 Control System

SYSTEM 2

IRB 1400 Five Axis Robot / Orbit 160R Dual Orbit Positioner / Smartac Part
Finding Sensors / Mechanical Torch Cleaner
ESAB Pulsarc 2 550 Power Source / S2 Control System

SYSTEM 3

IRB 2400L Six Axis Robot / 2 Orbit 250L Positioners / Bullseye II
TCP Calibration / TC-92 Mechanical Torch Cleaner / Miller Delta Weld
452 Power Source / Water Cooled Binzel Robo 455 Torch w/Euro Adapter
Maestro System 4 Controller

ASK FOR OUR COMPLETE BROCHURES

CUSTOM METAL PRODUCTS SINCE 1955